

CHAPTER 21**FACULTY OF HEALTH AND ENVIRONMENTAL SCIENCES**

(Please note that some of the information in this chapter is subject to change in 2013.)

DEAN	Prof. L de Jager, PhD (UFS)
SECRETARY	Ms NC Nigrini, BA (UFS), BTech (CUT)
FACULTY ADMINISTRATOR	Dr LM Makhalemele, PhD (NWU)
FACULTY OFFICER	Vacant
SENIOR ADMINISTRATIVE ASSISTANT	Ms SA van den Berg, NCert (PTC)
RESEARCH PROFESSOR	Prof. A Fossey, DSc (UP)
DEPARTMENT OF HEALTH SCIENCES	
HEAD OF DEPARTMENT	Vacant
PROFESSORS / ASSOCIATE PROFESSORS	Prof. WMJ van den Heever-Kriek, PhD (UFS) Prof. SS Mashele, PhD (Medunsa) Prof. AM Pretorius, PhD (UFS)
SENIOR LECTURERS	Mr E de J Vermaak, MMedSc (UFS) Dr L Botes, DTech (CUT) Dr D Olivier, DTech (CUT)
LECTURERS	Mr LF Mogongoa, MTech (CUT) Mr PM Makhoahle, MMedSc (UFS) Ms M Vosloo, MTech (CUT), CIDESCO
JUNIOR LECTURERS	Mr SD Mokgawa, NDip (TNG), BSc (Medunsa) Ms GM van der Westhuizen, BTech (CUT), CIDESCO Ms TM Boshoff, BTech (CUT), CIDESCO Ms MK Wiese, NHDip (CUT) Ms J Badenhorst, BTech (CUT), CIDESCO Ms J Jonker, BTech (CUT), CIDESCO
TECHNICAL ASSISTANT	Vacant
LABORATORY ASSISTANT	Ms M van Wyk, NDip (CUT)
SENIOR ADMINISTRATIVE ASSISTANT	Vacant

DEPARTMENT OF CLINICAL SCIENCES**HEAD OF DEPARTMENT**

Vacant

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PROFESSOR**

Prof. HS Friedrich-Nel, PhD (UFS)

LECTURERS

Ms L Beyer, MA (UFS)
 Ms JGE du Plessis, MA (UFS)
 Mr RW Botha, MTech (CUT)
 Ms B van der Merwe, MTech (CUT)
 Mr RG Campbell, BTech (DIT)
 Mr A Nundlall, BTech (DUT)
 Mr RF Dreyer, BTech (DUT)
 Mr FS Raphela, MSc (UL)

JUNIOR LECTURERS

Ms M van Eeden, BTech (DUT)
 Ms B Kotze, BTech (CUT)
 Mr V van Vuuren, BTech (DUT)
 Ms L Hanekom, BTech (DUT)

TECHNICAL ASSISTANT

Vacant

**SENIOR ADMINISTRATIVE
ASSISTANT**

Vacant

DEPARTMENT OF AGRICULTURE**HEAD OF DEPARTMENT**

Vacant

**PROFESSOR S/ ASSOCIATE
PROFESSORS**

Prof. PJ Fourie, NHDip (TSA), DTech (CUT), MDP (UFS)
 Prof. C van der Westhuizen, PhD (UFS)
 Prof. DO Umesiobi, PhD (FUTO)

SENIOR LECTURER

Vacant

LECTURERS

Mr MM Sedibe, BSc Hons (NWU), MSc (US)
 Mr RJ Pretorius, MTech (CUT)

**SENIOR ADMINISTRATIVE
ASSISTANT**

Ms C Diré, BTech (CUT)

DEPARTMENT OF LIFE SCIENCES

HEAD OF DEPARTMENT	Vacant
PROFESSORS / ASSOCIATE PROFESSORS	Prof K Shale, DTech (CUT) Prof. JFR Lues, PhD (UFS)
SENIOR LECTURERS	Dr HA Roberts, MTech (TP), DTech (CUT) Dr C Weyers, DTech (CUT) Dr EJ Smit, PhD (UFS)
LECTURERS	Ms L Esterhuizen, MTech (CUT) Mr HCL Gleimius, MTech (CUT) Ms EM Smith, BSc Hons (Wits) Ms J Oosthuysen, NDip (US), AdvDip (UP), MTech (CUT) Dr D Mtyongwe, BSc (UFS), BChD (UP)
JUNIOR LECTURER	Ms PM Schoonwyk, NDip (UWC), Dip (Damelin)
TECHNICAL ASSISTANT	Ms SJ Nkhebenyane, BSc Hons (UFS), MTech (CUT)
SENIOR ADMINISTRATIVE ASSISTANT	Ms C Diré, BTech (CUT)

CONTACT NUMBERS**TELEPHONE
NUMBERS**

DEPARTMENT OF AGRICULTURE	051 - 5073134
DEPARTMENT OF CLINICAL SCIENCES	051 - 5073433
DEPARTMENT OF HEALTH SCIENCES	051 - 5073124
DEPARTMENT OF LIFE SCIENCES	051 - 5073433
FACULTY ADMINISTRATOR	051 - 5073433
FACULTY OFFICER	Vacant

1. RULES OF THE FACULTY OF HEALTH AND ENVIRONMENTAL SCIENCES

The following rules are supplementary to the rules in the Calendar of the Central University of Technology, Free State (CUT).

2. CERTIFICATE PROGRAMME OFFERED IN THE FACULTY

National Certificate: Dental Assisting

3. NATIONAL DIPLOMA EXTENDED CURRICULUM PROGRAMMES (ECP) OFFERED IN THE FACULTY

National Diploma: Biomedical Technology (ECP)

National Diploma: Clinical Technology (ECP)

National Diploma: Emergency Medical Care (ECP)

National Diploma: Environmental Health (ECP)

National Diploma: Radiography (Diagnostic) (ECP)

National Diploma: Somatology (ECP)

4. NATIONAL DIPLOMA PROGRAMMES OFFERED IN THE FACULTY

National Diploma: Agricultural Management

National Diploma: Biomedical Technology

National Diploma: Clinical Technology

National Diploma: Emergency Medical Care

National Diploma: Environmental Health

National Diploma: Fire Technology

National Diploma: Radiography (Diagnostic)

National Diploma: Radiography (Therapy)

National Diploma: Somatology

5. BACCALAUREUS TECHNOLOGIAE DEGREES OFFERED IN THE FACULTY

Baccalaureus Technologiae: Agricultural Management

Baccalaureus Technologiae: Biomedical Technology

Baccalaureus Technologiae: Clinical Technology

Baccalaureus Technologiae: Environmental Health

Baccalaureus Technologiae: Radiography (Diagnostic)

Baccalaureus Technologiae: Radiography (Therapy)

Baccalaureus Technologiae: Somatology

6. MAGISTER TECHNOLOGIAE DEGREES OFFERED IN THE FACULTY

Magister Technologiae: Agriculture

Magister Technologiae: Biomedical Technology

Magister Technologiae: Clinical Technology

Magister Technologiae: Environmental Health

Magister Technologiae: Radiography (Diagnostic)

Magister Technologiae: Radiography (Therapy)

Magister Technologiae: Radiography (Nuclear Medicine)

Magister Technologiae: Somatology

7. DOCTOR TECHNOLOGIAE DEGREES OFFERED IN THE FACULTY

Doctor Technologiae: Agriculture
Doctor Technologiae: Biomedical Technology
Doctor Technologiae: Clinical Technology
Doctor Technologiae: Environmental Health
Doctor Technologiae: Somatology

8. ADMISSION TO A HIGHER LEVEL OF STUDY

A student is not permitted to continue with an instructional offering at the subsequent level before successfully completing the preceding level.

In the case of semester programmes, a full-time student may at no stage accumulate more than two minor instructional offerings being carried over from previous years of study. To progress to the subsequent level of study, the student must have passed at least two instructional offerings.

In the case of year programmes, a full-time student may at no stage accumulate more than two instructional offerings being carried over from previous years of study.

9. ASSESSMENT

Assessment dates and course mark formulas are provided to students upon commencement of the instructional offering concerned.

A student who is absent from an assessment must submit a medical certificate to the director of the school concerned within three days after reporting back at CUT, in order to qualify for a rewrite of the test. The student is responsible for arranging a date for such a reassessment with the lecturer concerned. Course marks may not be calculated from fewer than the prescribed number of assessments. If a student fails to make arrangements to rewrite an assessment, a mark of 0 is entered into the computer.

In addition to the rules in the CUT Calendar, a student may be refused admission to an assessment if he/she has been absent from more than one practical in a learning unit.

10. BACCALAUREUS TECHNOLOGIAE DEGREE

A student enrolling at CUT initially registers for the three-year National Diploma. Admission to the fourth year of study is subject to certain prerequisites (refer to the specific learning programme). Re-entry to CUT in order to complete the Baccalaureus Technologiae Degree subsequent to the attainment of the National Diploma is considered to be a new application. A part-time student follows the same procedure, with the exception that the duration of study differs from that applicable to full-time students.

11. NATIONAL DIPLOMAS: EXTENDED CURRICULUM PROGRAMMES

11.1 NATIONAL DIPLOMA: BIOMEDICAL TECHNOLOGY (ECP) HXNDBA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 388
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANA00FP				Anatomy	12
PHY00FP				Physiology	12
CHM00FP				Chemistry	6
FIS00FP				Physics	6
WIS00FP				Mathematics	6
PRE1A				English Proficiency (main instructional offering) and English Proficiency (main instructional offering)	9
PRE2B					
COR00FP				Core Curriculum (main instructional offering)	24
SCC00FP				Success Skills (module instructional offering)	3
NMC00FP				Numeracy (module instructional offering)	6
DGL00FP				Digital Literacy (module instructional offering)	6
	IGT11AT			Introduction to Medical Technology	10
	CHB11CT			Chemistry I	12
	BST11AT			Calculations & Statistics	12
	FSK11BT			Physics I	12
	PFS22AT			Pathophysiology II	12
	BCH22AT			Biochemistry II	12
	IMM22BT			Immunology II	12
		MKB11AT		Microbiology I	15
		BLD21AT		Blood Transfusion Technology	15
		CHP11AT		Chemical Pathology I	15
		SLP11AT		Cellular Pathology I	15
		MKB22BT		Microbiology II	15
		HEM22BT		Haematology II	15
		CHP22BT		Chemical Pathology II	15
		SLP22AT		Cellular Pathology II	15
			MKB31BT	Microbiology III	15
			HEM31BT	Haematology III	15
			CHP31BT	Chemical Pathology III	15
			SLP31AT	Cellular Pathology III	15
			LAB31BT / LAB32BT	Work-Integrated Learning	60
Total:					388

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Medical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to medical technology, as approved.

Work-Integrated Learning takes place only at approved accredited laboratories identified by CUT and the Professional Board for Medical Technology.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in all three of the following subjects is required: Biology/Physiology, Physical Science, and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science (Rating 4) **and** Physical Science (Rating 4), **as well as** a minimum mark of 40% in Mathematics (Rating 3) and English (Rating 3), is required.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

PREREQUISITES

Admission to a higher level of study

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training, a student will not be allowed to repeat the first year or part of the first year of the ECP.

A student must pass all first-year instructional offerings in order to continue with second-year instructional offerings of the ECP. A student may not change from the ECP to the regular programme.

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Pathophysiology II
Biochemistry II
Chemical Pathology I

Microbiology I

Microbiology II
Microbiology III
Chemical Pathology II (Semester 2)
Chemical Pathology III
Blood Transfusion Technology
Haematology II

Haematology III
Cellular Pathology I

Cellular Pathology II (Semester 2)
Cellular Pathology III
Work-Integrated Learning

Prerequisite instructional offerings

Anatomy & Physiology
Chemistry I
Biochemistry II, Calculations and Statistics
Biochemistry II
Pathophysiology II
Anatomy & Physiology I
Immunology II
Microbiology I
Microbiology II
Chemical Pathology I (Semester 1)
Chemical Pathology II (Semester 2)
Immunology II
Blood Transfusion Technology
Haematology II
Anatomy & Physiology I
Pathophysiology II
Cellular Pathology I (Semester 1)
Cellular Pathology II (Semester 2)
325 credits passed

11.2 NATIONAL DIPLOMA: CLINICAL TECHNOLOGY (ECP) HXNDCA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 411
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
				Anatomy	12
				Physiology	12
				Chemistry	6
				Physics	6
				Mathematics	6
				English Proficiency (main instructional offering) and English Proficiency (main instructional offering)	9
				Core Curriculum (main instructional offering)	24
				Success Skills (module instructional offering)	3
				Numeracy (module instructional offering)	6
				Digital Literacy (module instructional offering)	6
	ANA10AT			Anatomy I	30
	FSL10AT			Physiology I	30
	FSK11BT FSK12BT			Physics I or Physics I	12
	CHB11CT CHB12CT			Chemistry I or Chemistry I	12
	BST11AT BST12AT			Calculations & Statistics I or Calculations & Statistics I	12
	PSI12AT			Psychodynamics I	15
		AFI20CT		Anatomy & Physiology II	27
		BAP20AT		Biomedical Apparatus & Procedures I	30
		OSP20AT		Organ & System Pathophysiology II	30
		FAR20AT		Pharmacology II	27

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Any ONE (1) of the seven (7) options below. Refer to compulsory instructional offerings.					
			TPC30AT	Work-Integrated Learning: Cardiology: Clinical Technology III	40
			BMK30CT	Work-Integrated Learning: Cardiology: Biomedical Apparatus III	40
			CNK30BT	Work-Integrated Learning: Cardiology: Clinical Practice III	40
			TPH30AT	Work-Integrated Learning: Nephrology: Clinical Technology Practice III	40
			BMN30CT	Work-Integrated Learning: Nephrology: Biomedical Apparatus III	40
			CNN30BT	Work-Integrated Learning: Nephrology: Clinical Practice III	40
			TPN30AT	Work-Integrated Learning: Neurophysiology: Clinical Technology Practice III	40
			BME30CT	Work-Integrated Learning: Neurophysiology: Biomedical Apparatus III	40
			CNO30BT	Work-Integrated Learning: Neurophysiology: Clinical Practice III	40
			TPU30AT	Work-Integrated Learning: Pulmonology: Clinical Technology Practice III	40
			BMP30CT	Work-Integrated Learning: Pulmonology; Biomedical Apparatus III	40
			CNP30BT	Work-Integrated Learning: Pulmonology: Clinical Practice III	40
			TPK30AT	Work-Integrated Learning: Critical Care: Clinical Technology Practice III	40
			BAM30BT	Work-Integrated Learning: Critical Care: Biomedical Apparatus III	40
			KPK30BT	Work-Integrated Learning: Critical Care: Clinical Practice III	40
			TPT30AT	Work-Integrated Learning: Reproductive Biology: Clinical Technology Practice III	40
			BIR30BT	Work-Integrated Learning: Reproductive Biology: Biomedical Apparatus III	40

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
			KPR30BT	Work-Integrated Learning: Reproductive Biology: Clinical Practice III	40
			PTP30AT	Work-Integrated Learning: Perfusion: Clinical Technology Practice III	40
			PBA30BT	Work-Integrated Learning: Perfusion: Biomedical Apparatus III	40
			CNF30BT	Work-Integrated Learning: Perfusion: Clinical Practice III	40
Total:					411

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to clinical technology, as approved. Instructional offerings at fourth-year level of the ECP are offered together with Work-Integrated Learning in an accredited training unit and in a specific category as approved by the Professional Board for Radiography and Clinical Technology and CUT, in co-operation with CUT, the employer and the Professional Board. The student must comply with 1800 hours for the year, set as the minimum requirement by die HPCSA.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in all three of the following subjects is required: Biology/Physiology, Physical Science, and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science **and** Physical Science, **as well as** a minimum mark of 40% in Mathematics and English, is required.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

PREREQUISITES

Admission to a higher level of study

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training, a student will not be allowed to repeat the first year or part of the first year of the ECP.

A student must pass all instructional offerings of the first year of the ECP in order to continue with the subsequent year of study. A student may not change from the ECP to the regular programme.

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Anatomy & Physiology II

Organ & System Pathophysiology II

Pharmacology II

Prerequisite instructional offerings

Anatomy I, Physiology I
(for Clinical Technology)

Anatomy I, Physiology I
(for Clinical Technology)

Anatomy I, Physiology I
(for Clinical Technology)

11.3 NATIONAL DIPLOMA: EMERGENCY MEDICAL CARE (ECP) HXNDEA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 414
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
				Anatomy	12
				Physiology	12
				Chemistry	6
				Physics	6
				Mathematics	6
PRE1A				English Proficiency (main instructional offering) and English Proficiency (main instructional offering)	9
PRE2B					
COR00FP				Core Curriculum (main instructional offering)	24
SCC00FP				Success Skills (module instructional offering)	3
NMC00FP				Numeracy (module instructional offering)	6
DGL00FP				Digital Literacy (module instructional offering)	6
Main instructional offering					
	BSN10AT			Basic Science I	
Module instructional offerings					
	PSS11AT			Physics	12
	CHS12AT			Chemistry	12
Main instructional offering					
	MCR10AT			Medical Rescue I	
Module instructional offerings					
	ROP12AT			Rope Rescue I	12
	EXT11AT			Extrication I	12
	RYS12AT			Rescue Systems I	6
Main instructional offering					
	MMC10AT			Emergency Medical Care I: Work-Integrated Learning	
Module instructional offerings					
	EPP11AT			Ethics & Professional Practice I	6
	CLR11AT			Cardiopulmonary Resuscitation	6
	ECP10AT			Emergency Care of the Adult & Paediatric Patient	12
	OBN12AT			Obstetrics & Neonatology I	6
	CSC12AT			Emergency Care in Special Circumstances	6
Main instructional offering					
	MST10AT			Emergency Service Technology I	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Module instructional offerings					
	TOC11AT			Theory of Communication	6
	BAT11AT			Basic Ambulance Technology	12
	BIH10AT			Basic Information Technology	6
Compulsory instructional offerings					
		PHY20AT		Physiology II	24
		ESC10AT		Emergency Service Communication I	12
		PEC12AT		Psycho-Psychiatric Emergency Care I	6
		PMC10AT		Pharmacology I	24
Main instructional offering					
		MCR20AT		Medical Rescue II	
Module instructional offerings					
		ROP21AT		Rope Rescue II	12
		EXT22AT		Extrication II	12
		RYS22AT		Rescue Systems II	6
Main instructional offering					
		MMC20AT		Emergency Medical Care II: Work-Integrated Learning	
Module instructional offerings					
		MDE20AT		Medical Emergencies	12
		TRE20AT		Trauma Emergencies	12
Compulsory instructional offerings					
			GPH10AT	General Pathology I	24
			ESA10AT	Emergency Service Administration I	12
Main instructional offering					
			MCR30AT	Medical Rescue III	
Module instructional offerings					
			ROP31AT	Rope Rescue III	12
			EXT32AT	Extrication III	12
			RYS32AT	Rescue Systems III	6
Main instructional offering					
			MMC30AT	Emergency Medical Care III: Work-Integrated Learning	
Module instructional offerings					
			EPP21AT	Ethics & Professional Practice II	6
			CSP31AT	Cardiovascular Support in the Critical Patient	12
			IAP30AT	Emergency Care of the Ill & Injured Adult & Paediatric Patient	12
			OBN22AT	Obstetrics & Neonatology II	12
			TIP32AT	Transportation of the Ill & Injured Patient	6
Total:					414

*Work-Integrated Learning credits reflected in module instructional offerings.

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Emergency Care of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to emergency care, as approved.

Work-Integrated Learning is conducted at approved units identified by CUT and the Professional Board for Emergency Care. The student will be expected to undertake his/her Work-Integrated Learning according to a formal roster system managed by the learning programme, which includes working over weekends and during academic recesses. The student is expected to comply with the guidelines and code of conduct specified in the programme's Standard Operating Procedures and the subsequent amendments pertaining to programme requirements, as approved.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade in at least **two** of the following subjects is required: Mathematics, Physical Science, and/or Biology/Physiology. Candidates must also successfully complete the selection process – which includes a fitness test, medical check-up and psychological assessment – for admission to the programme.

For candidates who completed NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in **two** of the following subjects is required: Life Science, Physical Science, and/or Mathematics. Candidates must also successfully complete the selection process – which includes a fitness test, medical check-up and psychological assessment – for admission to the programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Admission to a higher level of study

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training, a student will not be allowed to repeat the first year or part of the first year of the ECP.

A student must pass all instructional offerings of the first year of the ECP in order to continue with the subsequent year of study. A student may not change from the ECP to the regular programme.

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

A student must meet the minimum physical fitness requirements before undertaking the practical phase of a rescue module in all four years of the programme.

A student may not register for minor instructional offerings or modules in a subsequent level of study in cases where timetabling conflicts occur. The student must first complete ALL major instructional offerings with his/her module instructional offerings at a particular level of study before progressing to the next level of study. The learning programme is structured in such a way that instructional offerings and modules from previous levels are assumed to be in place, and instructional offerings and modules on subsequent levels are expected to build on previously acquired knowledge, skills and attributes.

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Prerequisite instructional offerings

Medical Rescue II

All module instructional offerings for Medical Rescue I, Basic Sciences I and Emergency Medical Care I: Work-Integrated Learning

Emergency Medical Care II: Work-Integrated Learning

All module instructional offerings for Emergency Medical Care I: Work-Integrated Learning, Anatomy & Physiology I, Basic Sciences I and Emergency Service Technology I

Physiology II

All module instructional offerings for Basic Sciences I and Anatomy & Physiology I

Emergency Service Communication I

All module instructional offerings for Emergency Service Technology I

Emergency Medical Care III: Work-Integrated Learning

All module instructional offerings for Emergency Medical Care II: Work-Integrated Learning, Physiology II, Pharmacology I and Emergency Service Communication I

General Pathology I

Pharmacology I and Physiology II

Medical Rescue III	All module instructional offerings for Medical Rescue II and Emergency Medical Care II: Work-Integrated Learning:
Emergency Service Administration I	Emergency Service Communication I

11.4 NATIONAL DIPLOMA: ENVIRONMENTAL HEALTH (ECP) HXNDOA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 408
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANA00FP				Anatomy	12
PHY00FP				Physiology	12
CHM00FP				Chemistry	6
FIS00FP				Physics	6
WIS00FP				Mathematics	6
RVB00FP				End-User Computing	6
ACL00FP				Academic Literacy	6
PRE1A				English Proficiency (main instructional offering) and English Proficiency (main instructional offering)	9
PRE2B					
COR00FP				Core Curriculum (main instructional offering)	24
SCC00FP				Success Skills (module instructional offering)	3
NMC00FP				Numeracy (module instructional offering)	6
DGL00FP				Digital Literacy (module instructional offering)	6
	FEC10AT			Physics & Chemistry I	24
	GMO10AT			Community Development I	24
	MBO10BT			Microbiology I	24
	OMB10AT			Environmental Planning I	24
		BGV20AT		Occupational Health & Safety II	24
		EPI20AT		Epidemiology II	24
		GMO20AT		Community Development II	24
		OAW20AT		Environmental Pollution: Waste & Water II	24
		VVH20AT		Food & Meat Hygiene II	24

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
			BGV30AT	Occupational Health & Safety III	24
			FBS30AT	Management Practice III	30
			EPI30AT	Epidemiology III	24
			OLG30AT	Environmental Pollution: Air & Noise III	24
			VVH30AT	Food & Meat Hygiene III	24
Total:					408

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Environmental Health Practitioners of the Health Professions Council of South Africa, as stipulated in Government Gazette R1869, dated 79.08.24.

At least 25 working days during the second and third years of study and at least 40 working days in the fourth year of study in the ECP are to be completed under the supervision of a registered environmental health practitioner.

Instructional offerings at all levels are assessed internally by CUT. Level-III instructional offerings, however, are moderated externally. Practical assessments in the instructional offering Food & Meat Hygiene III are conducted internally by CUT.

In cases where a practical assessment is administered, the final assessment mark is awarded for both the theory and practical components.

Directly upon receiving the National Diploma, all students are expected to perform 12 months of compulsory community service.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Physical, chemical and biological stressors to which students are exposed may be detrimental to the health of an unborn child. Due to the important practical component of the programme, during which students are exposed to various physical, chemical and biological stressors, a female student is not permitted to complete the practical section of the programme during pregnancy. Any student who suspects she may be pregnant must notify the relevant Head of Department immediately. Such a student must discontinue Food & Meat Hygiene III (VVH30AT) (if registered). It is also recommended that the student discontinues the following instructional offerings (if registered) for the full duration of her pregnancy:

- MBO10AT Microbiology I
- BGV 20AT Occupational Health & Safety II
- OAW20AT Environmental Pollution: Waste & Water II
- BGV30AT Occupational Health & Safety III

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade in any **two** of the following subjects is required: Biology, Physical Science, and/or Mathematics. Geography and/or Physiology are recommended.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in both Life Science **and** Physical Science, **as well as** a minimum mark of 40% in Mathematics, **or** a minimum mark of 50% in Mathematical Literacy, is required.

A candidate might be recommended for, and must successfully complete, a selection process for admission to the learning programme, and meritorious exceptions may be considered for the ECP.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES**Admission to a higher level of study**

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training, a student will not be allowed to repeat the first year or part of the first year of the ECP.

A student must pass all instructional offerings of the first year of the ECP in order to continue with the subsequent year of study. A student may not change from the ECP to the regular programme.

A student is not permitted to continue with an instructional offering at a particular level before successfully completing the preceding level.

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings	Prerequisite instructional offerings
Food & Meat Hygiene II	Microbiology I
Environmental Pollution: Waste & Water II	Environmental Planning I
Epidemiology II	Microbiology I
Occupational Health & Safety II	Physics & Chemistry I or
	Anatomy & Physiology
Community Development II	Community Development I
Food & Meat Hygiene III	Food & Meat Hygiene II
Environmental Pollution: Air & Noise III	Environmental Pollution: Waste & Water II
Epidemiology III	Epidemiology II
Occupational Health & Safety III	Occupational Health & Safety II
Management Practice III	Community Development II

11.5 NATIONAL DIPLOMA: RADIOGRAPHY (DIAGNOSTIC) (ECP) HXNDRA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 440
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANA00FP				Anatomy	12
PHY00FP				Physiology	12
CHM00FP				Chemistry	6
FIS00FP				Physics	6
WIS00FP				Mathematics	6
RVB00FP				End-User Computing	6
ACL00FP				Academic Literacy	6
PRE1A				English Proficiency (main instructional offering) and	
PRE2B				English Proficiency (main instructional offering)	9
COR00FP				Core Curriculum (main instructional offering)	24
SCC00FP				Success Skills (module instructional offering)	3
NMC00FP				Numeracy (module instructional offering)	6
DGL00FP				Digital Literacy (module instructional offering)	6

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
	ANT10AT			Anatomy I	24
	FSG10BT			Physiology I	12
	RAD10AT			Radiographic Practice I	24
	KLR10AT			Work-Integrated Learning: Clinical Radiography I	24
	SWT10AT			Radiation Science I	0
	BRE10AT			Image Recording	12
	FSC10AT			Physics & Chemistry	14
	PSG10AT			Psychodynamics of Patient Management I	12
	PTO10AT			Radiographic Pathology I	12
		RAD20AT		Radiographic Practice II (D)	24
		KLD20AT		Work-Integrated Learning: Clinical Radiography II (D)	24
		SWT20AT		Radiation Science II	0
		BRE20AT		Image Recording	24
		STF20AT		Radiation Physics	24
		PTO20AT		Radiographic Pathology II	24
			Diagnostic		
			RAD30AT	Radiographic Practice III (D)	36
			KLD30AT	Work-Integrated Learning: Clinical Radiography III (D)	48
			SWD30AT	Radiation Science III (D)	24
			RAB30AT	Radiographic Management III (D)	12
Total:					440

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to radiography, as approved.

Work-Integrated Learning is conducted simultaneously with formal training in a training unit, as approved by the Professional Board for Radiography and Clinical Technology, from the second year of the ECP. The student is placed as a student radiographer at an accredited hospital and undergoes Work-Integrated Learning for a specific number of hours as prescribed by the Professional Board for Radiography and Clinical Technology. The Work-Integrated Learning can make it practically impossible for a student to take instructional offerings on two academic levels in a single academic year. A student who fails is assessed on an individual basis in respect of the continuation of studies.

Assessment: Formative and Summative.

Work-Integrated Learning: Clinical Radiography I, II & III (Diagnostic) are assessed in practice (continuously). Practical competency and skills are assessed according to specific guidelines.

The radiation to which a radiographer is exposed may be detrimental to the health of an unborn child. Due to the important practical component of the learning programme, during which students are exposed to radiation, a female student is not permitted to complete the practical part of the learning programme during pregnancy. Any student who suspects she may be pregnant must notify the

relevant Head of Department immediately. Such a student must discontinue the learning programme for the full duration of her pregnancy.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in all three of the following subjects is required: Biology/Physiology, Physical Science, and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science and Physical Science, as well as a minimum mark of 40% in Mathematics, is required.

A candidate must also successfully complete the selection process for admission.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Admission to a higher level of study

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training, a student will not be allowed to repeat the first year or part of the first year of the ECP.

A student must pass all instructional offerings of the first year of the ECP in order to continue with the subsequent year of study. A student may not change from the ECP to the regular programme.

Students who score between 50% and 59% in Anatomy (ANA00FP) will be required to register for the module Radiography Anatomy I (ANT10AT) in the second year of the ECP.

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Radiographic Practice II (D) and
Work-Integrated Learning: Clinical Radiography II (D)

Radiation Science II (Image Recording and
Radiation Physics)

Radiographic Pathology II

Radiographic Practice III (D) and
Work-Integrated Learning: Clinical Radiography III (D)

Radiation Science III (D)

Prerequisite instructional offerings

Radiographic Practice I and
Work-Integrated Learning:
Clinical Radiography I (D)

Radiation Science I (Image Recording and
Physics & Chemistry)

Radiographic Pathology I and
Anatomy & Physiology

Radiographic Practice II (D) and
Work-Integrated Learning:
Clinical Radiography II (D)

Radiation Science II (Image Recording
and Radiation Physics)

11.6 NATIONAL DIPLOMA: SOMATOLOGY (ECP) HXNDSA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 396
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANA00FP				Anatomy	12
PHY00FP				Physiology	12
CHM00FP				Chemistry	6
FIS00FP				Physics	6
CCS10AT				Communication Skills I	6
PRE1A				English Proficiency (main instructional offering) and	9
PRE2B				English Proficiency (main instructional offering)	
COR00FP				Core Curriculum (main instructional offering)	24
SCC00FP				Success Skills (module instructional offering)	3
NMC00FP				Numeracy (module instructional offering)	6
DGL00FP				Digital Literacy (module instructional offering)	6

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
	SOM10AT			Soma Techniques I (main instructional offering)	0
	SMT10AT			Soma Techniques I (Theory) (module instructional offering)	24
	SMP10AT			Soma Techniques I (Practical) (module instructional offering)	24
	EST10BT			Aesthetics I	12
	BTK10AT			Biotics I	6
	WSP10AT			Science I (Theory and Practical)	12
	VDN10AT			Nutrition I	6
		SOM20AT		Soma Techniques II (main instructional offering)	0
		SMT20AT		Soma Techniques II (Theory) (module instructional offering)	24
		SMP20AT		Soma Techniques II (Practical) (module instructional offering)	36
		BTK20AT		Biotics II	6
		WSP20AT		Science II (Theory and Practical)	12
		AFG20BT		Anatomy & Physiology II	18
		SAK10BB		Business Practice I	6
		SSK10AT		Socio-Psychology I	12
		VDN20AT		Nutrition II	6
			SOM30AT	Soma Techniques III (main instructional offering)	0
			SMT30AT	Soma Techniques III (Theory) (module instructional offering)	24
			SMP30AT	Soma Techniques III (Practical) (module instructional offering)	36
			BTK30AT	Biotics III	6
			SSK20AT	Socio-Psychology II	12
			VDN30AT	Nutrition III	6
			SAK20AB	Business Practice II	6
			BWS30AT	Applied Biological Sciences III	6
			SOP20AT	Work-Integrated Learning: Soma Techniques Project II	30
Total:					396

REMARKS

In the fourth year of study in the ECP, the student must complete 300 hours of Work-Integrated Learning in an accredited salon(s). Only the weekly hours scheduled on the timetable are taken into account. In the event of a student deciding to work overtime or on a Saturday, Sunday or public holiday, this is considered a separate agreement between the student and the salon owner, and those

hours are not taken into account in the accumulation of the required 300 hours. Work-Integrated Learning: Soma Techniques Project II (SOP 20AT) is a year instructional offering and is to be completed in full to allow the student to pass the instructional offering. A student is responsible for her own placement at an accredited salon/clinic, as well as the necessary travel arrangements.

Work-Integrated Learning (WIL) will be scheduled for the months of December to February as from 2013, for purposes of relevant and beneficial exposure at spas and resorts.

Before the National Diploma can be awarded, the student must have earned the recognised first-aid certificate, as well as diplomas from certain product houses, as required by the course.

A candidate only qualifies for the CIDESCO assessment if:

1. She scores a minimum of 60% in both the theoretical and practical components of the instructional offering Soma Techniques III during the first and second quarters; and
2. She passes all first-year, second-year and third-year instructional offerings of the National Diploma: Somatology (ECP).

A subminimum of 50% for each section of the practical (SMP) and theoretical (SMT) assessment is required for a student to pass the main instructional offering (SOM).

For example, if SMP20AT consists of theoretical and practical sections A to E (Facials, Slimming, Aromatherapy & Reflexology, Manual Lymph Drainage (MLD) and Diathermy), the student must score at least 50% in each separate section in order to pass SMP20AT. Should a student fail even one of the sections, she will be required to reregister for SMP20AT in its entirety and pass all sections successfully before she will be permitted to register for SMP30AT.

A student may be refused admission to the assessment if she has been absent from more than two practical periods in a term. This rule is applicable to each separate practical section.

It is compulsory for a student to dress in the prescribed uniform and shoes (refer to the general rules applicable to the Somatology programme).

Since the electrical apparatus to which students are exposed during the practical component of the learning programme may prove detrimental to the health of an unborn child, a female student is not permitted to complete the practical part of the learning programme during pregnancy. Any student who suspects she may be pregnant must notify the relevant Head of Department immediately.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in Physical Science **or** Biology **or** Physiology is required. Mathematics is recommended.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science **or** Physical Science is required.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES**Admission to a higher level of study**

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training, a student will not be allowed to repeat the first year or part of the first year of the ECP.

A student must pass all first-year instructional offerings in order to continue with second-year instructional offerings of the ECP. A student may not change from the ECP to the regular programme.

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Soma Techniques II
Soma Techniques III
Biotics II
Biotics III
Science II
Anatomy & Physiology II
Nutrition II
Nutrition III
Socio-Psychology II
Business Practice II
Work-Integrated Learning: Soma Techniques Project II

Prerequisite instructional offerings

Soma Techniques I
Soma Techniques II
Biotics I
Biotics II
Science I
Anatomy & Physiology
Nutrition I
Nutrition II
Socio-Psychology I
Business Practice I
Soma Techniques I & II

12. NATIONAL DIPLOMAS

12.1 NATIONAL DIPLOMA: AGRICULTURAL MANAGEMENT TLNDLB

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR		INSTRUCTIONAL OFFERINGS	CREDITS
SEMESTER 1	SEMESTER 2		
AMN11AT		Agricultural Management I	12
PPR11AT		Plant Production I	12
APR11AT		Animal Production I	12
COM11AT		Computer Skills I	6
SSC11AT		Agricultural Soil Science I	10
PAS11AT		Pasture Science I	10
PRE1A PRE2B		English Proficiency and English Proficiency	6
	AMN22AT	Agricultural Management II	12
	PPR22AT	Plant Production II	12
	APR22AT	Animal Production II	12
	CAP22AT	Computer Applications (Agriculture) II	6
	SCL22AT	Soil Classification II	10
	PRD12AT	Production & Operational Techniques I	12
Total:			132

2 ND YEAR		INSTRUCTIONAL OFFERINGS	CREDITS
SEMESTER 1	SEMESTER 2		
LBB21ZT	LBB22ZT	Agricultural Management: Work-Integrated Learning	4
	APM20AT	Agricultural Production Management II	62
	APT20AT	Agricultural Production Techniques II	62
Total:			128

3 RD YEAR		INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offerings			
AMN30AT		Agricultural Management III	24
ENG10AT		Agricultural Engineering I	24
PBL10AT		Human Resource Management: Agriculture I	12
ALW10AT		Agricultural Law I	12
Optional instructional offerings			
PPR30AT		*Plant Production III	24
APR30AT		*Animal Production III	24
Total:			120

REMARKS

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

A candidate must successfully complete the selection process for admission to this learning programme. A National Senior Certificate or equivalent qualification is a prerequisite.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a pass in Agricultural Science is recommended.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 40% in one of the following subjects, as well as a minimum mark of 50% in another, is required: Agricultural Science, Mathematics, Mathematical Literacy, Life Science, Economics, Accounting, or Physical Science.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

Instructional offerings marked with an asterisk (*).

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Agricultural Management II
 Plant Production II
 Animal Production II
 Computer Applications (Agriculture) II
 Soil Classification II
 Pasture Science I
 Agricultural Management III

Prerequisite instructional offerings

Agricultural Management I
 Plant Production I
 Animal Production I
 Computer Skills I
 Agricultural Soil Science I
 Grade 12
 Agricultural Management II

Plant Production III	Plant Production II
Animal Production III	Animal Production II
Agricultural Engineering I	Grade 12
Human Resources Management: Agriculture I	Grade 12
Agricultural Law I	Grade 12

12.2 NATIONAL DIPLOMA: BIOMEDICAL TECHNOLOGY TANDIC

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 361
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANF11BT			Anatomy & Physiology I	12
IGT11AT			Introduction to Medical Technology	10
CHB11CT			Chemistry I	12
BST11AT			Calculations & Statistics	12
FSK11BT			Physics I	12
PRE1A PRE2B			English Proficiency and English Proficiency	9
ANF12BT			Anatomy & Physiology I	12
PFS22AT			Pathophysiology II	12
BCH22AT			Biochemistry II	12
IMM22BT			Immunology II	12
BTC12AT			Computer Skills I	6
	MKB11AT		Microbiology I	15
	BLD21AT		Blood Transfusion Technology	15
	CHP11AT		Chemical Pathology I	15
	SLP11AT		Cellular Pathology I	15
	MKB22BT		Microbiology II	15
	HEM22BT		Haematology II	15
	CHP22BT		Chemical Pathology II	15
	SLP22AT		Cellular Pathology II	15
		MKB31BT	Microbiology III	15
		HEM31BT	Haematology III	15
		CHP31BT	Chemical Pathology III	15
		SLP31AT	Cellular Pathology III	15
		LAB31BT / LAB32BT	Work-Integrated Learning	60
Total:				361

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Medical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to medical technology, as approved.

Work-Integrated Learning takes place only at approved accredited laboratories identified by CUT and the Professional Board for Medical Technology.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in all three of the following subjects is required: Biology/Physiology, Physical Science, and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

Physical Science (Rating 4), Life Science (Rating 4), Mathematics (Rating 3) and English (Rating 3) as minimum requirements.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Only students who have passed all the first-year instructional offerings may enrol for third-year instructional offerings.

Instructional offerings	Prerequisite instructional offerings
Anatomy & Physiology I (Semester 2) Pathophysiology II Biochemistry II Chemical Pathology I Microbiology I Microbiology II Microbiology III Chemical Pathology II (Semester 2) Chemical Pathology III Blood Transfusion Technology Haematology II Haematology III Cellular Pathology I (Semester 1) Cellular Pathology II (Semester 2) Cellular Pathology III Work-Integrated Learning	Anatomy & Physiology I (Semester 1) Anatomy & Physiology I (Semester 1) Chemistry I Biochemistry II, Calculations and Statistics Biochemistry II, Pathophysiology II, Anatomy & Physiology I, Immunology II Microbiology I Microbiology II Chemical Pathology I (Semester 1) Chemical Pathology II (Semester 2) Immunology II Blood Transfusion Technology Haematology II Pathophysiology II, Anatomy & Physiology I Cellular Pathology I (Semester 1) Cellular Pathology II (Semester 2) 301 credits passed

12.3 NATIONAL DIPLOMA: CLINICAL TECHNOLOGY TANDCT

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1ST YEAR	2ND YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANA10AT		Anatomy I	30
FSL10AT		Physiology I	30
FSK11BT FSK12BT		Physics I or Physics I	12
CHB11CT CHB12CT		Chemistry I or Chemistry I	12
BST11AT BST12AT		Calculations & Statistics I or Calculations & Statistics I	12
PSI12AT		Psychodynamics I	15
PRE1A PRE2B		English Proficiency and English Proficiency	9
	AFI20CT	Anatomy & Physiology II	27
	RTP11AT RTP12AT	Computer Application I or Computer Application I	6
	BAP20AT	Biomedical Apparatus & Procedures I	30
	OSP20AT	Organ & System Pathophysiology II	30
	FAR20AT	Pharmacology II	27
Total:			240

3RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Any ONE of the seven options below. Refer to compulsory instructional offerings.		
TPC30AT	Work-Integrated Learning: Cardiology: Clinical Technology III	40
BMK30CT	Work-Integrated Learning: Cardiology: Biomedical Apparatus III	40
CNK30BT	Work-Integrated Learning: Cardiology III	40
TPH30AT	Work-Integrated Learning: Nephrology: Clinical Technology III	40
BMN30CT	Work-Integrated Learning: Nephrology: Biomedical Apparatus III	40
CNN30BT	Work-Integrated Learning: Nephrology III	40
TPN30AT	Work-Integrated Learning: Neurophysiology: Clinical Technology III	40
BME30CT	Work-Integrated Learning: Neurophysiology: Biomedical Apparatus III	40
CNO30BT	Work-Integrated Learning: Neurophysiology III	40
TPU30AT	Work-Integrated Learning: Pulmonology: Clinical Technology III	40
BMP30CT	Work-Integrated Learning: Pulmonology: Biomedical Apparatus III	40
CNP30BT	Work-Integrated Learning: Pulmonology III	40
TPK30AT	Work-Integrated Learning: Critical Care: Clinical Technology III	40
BAM30BT	Work-Integrated Learning: Critical Care: Biomedical Apparatus III	40
KPK30BT	Work-Integrated Learning: Critical Care III	40
TPT30AT	Work-Integrated Learning: Reproductive Biology: Clinical Technology III	40
BIR30BT	Work-Integrated Learning: Reproductive Biology: Biomedical Apparatus III	40
KPR30BT	Work-Integrated Learning: Reproductive Biology III	40
PTP30AT	Work-Integrated Learning: Perfusion: Clinical Technology III	40
PBA30BT	Work-Integrated Learning: Perfusion: Biomedical Apparatus III	40
CNF30BT	Work-Integrated Learning: Perfusion III	40
Total:		360

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to clinical technology, as approved. Instructional offerings at third-year level are offered together with Work-Integrated Learning in an accredited training unit and in a specific category as approved by the Professional Board for Radiography and Clinical Technology and CUT, in co-operation with CUT, the employer and the Professional Board. The student must comply with 1800 hours for the year, set as the minimum requirement by the HPCSA.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in all three of the following subjects is required: Biology/Physiology, Physical Science, and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science **and** Physical Science, **as well as** a minimum mark of 40% in Mathematics and English, is required.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Prerequisite instructional offerings

Anatomy & Physiology II

Anatomy I
Physiology I

Organ & System Pathophysiology II

Anatomy I
Physiology I

Pharmacology II

Anatomy I
Physiology I

12.4 NATIONAL DIPLOMA: EMERGENCY MEDICAL CARE THNDMC

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 381
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offering				
PRE1A PRE2B			English Proficiency and English Proficiency	9
Main instructional offering				
ANP10CT			Anatomy & Physiology	24
Main instructional offering				
BSN10AT			Basic Science I	
Module instructional offerings				
PSS11AT			Physics	12
CHS12AT			Chemistry	12
Main instructional offering				
MCR10AT			Medical Rescue I	
Module instructional offerings				
ROP12AT			Rope Rescue I	12
EXT11AT			Extrication I	12
RYS12AT			Rescue Systems I	6
Main instructional offering				
MMC10AT			*Emergency Medical Care I: Work-Integrated Learning	
Module instructional offerings				
EPP11AT			Ethics & Professional Practice I	6
CLR11AT			Cardiopulmonary Resuscitation	6
ECP10AT			Emergency Care of the Adult & Paediatric Patient	12
OBN12AT			Obstetrics & Neonatology I	6
CSC12AT			Emergency Care in Special Circumstances	6
Main instructional offering				
MST10AT			Emergency Service Technology I	
Module instructional offerings				
BIH10AT			Basic Information Technology	6
TOC11AT			Theory of Communication	6
BAT11AT			Basic Ambulance Technology	12

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offerings				
	PHY20AT		Physiology II	24
	ESC10AT		Emergency Service Communication I	12
	PEC12AT		Psycho-Psychiatric Emergency Care I	6
	PMC10AT		Pharmacology I	24
Main instructional offering				
	MCR20AT		Medical Rescue II	
Module instructional offerings				
	ROP21AT		Rope Rescue II	12
	EXT22AT		Extrication II	12
	RYS22AT		Rescue Systems II	6
Main instructional offering				
	MMC20AT		* Emergency Medical Care II: Work-Integrated Learning	
Module instructional offerings				
	MDE20AT		Medical Emergencies	12
	TRE20AT		Trauma Emergencies	12
Compulsory instructional offerings				
		GPH10AT	General Pathology I	24
		ESA10AT	Emergency Service Administration I	12
Main instructional offering				
		MCR30AT	Medical Rescue III	
Module instructional offerings				
		ROP31AT	Rope Rescue III	12
		EXT32AT	Extrication III	12
		RYS32AT	Rescue Systems III	6
Main instructional offering				
		MMC30AT	* Emergency Medical Care III: Work-Integrated Learning:	
Module instructional offerings				
		EPP21AT	Ethics & Professional Practice II	6
		CSP31AT	Cardiovascular Support in the Critical Patient	12
		IAP30AT	Emergency Care of the Ill & Injured Adult & Paediatric Patient	12
		OBN22AT	Obstetrics & Neonatology II	12
		TIP32AT	Transportation of the Ill & Injured Patient	6
Total:				381

*Work-Integrated Learning credits are reflected in the module instructional offerings.

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Emergency Care of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to emergency medical care, as approved.

Work-Integrated Learning is conducted at approved units identified by CUT and the Professional Board for Emergency Care. The student will be expected to undertake his/her Work-Integrated Learning according to a formal roster system managed by the learning programme, which includes working over weekends and during academic recesses. The student is expected to comply with the

guidelines and code of conduct specified in the programme's Standard Operating Procedures and the subsequent amendments pertaining to programme requirements, as approved.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade in at least **two** of the following subjects is required: Mathematics, Physical Science, and/or Biology/Physiology. Candidates must also successfully complete the selection process – which includes a fitness test, medical check-up and psychological assessment – for admission to the programme.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in **two** of the following subjects is required: Life Science, Physical Science, and/or Mathematics. Candidates must also successfully complete the selection process – which includes a fitness test, medical check-up and psychological assessment – for admission to the programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

A student must meet the minimum physical fitness requirements before undertaking the practical phase of a rescue module in all three years of the programme.

A student may not register for minor instructional offerings or modules on a subsequent level of study in cases where timetabling conflicts occur. The student must first complete ALL major instructional offerings with his/her module instructional offerings at a particular level of study before progressing to the next level of study. The learning programme is structured in such a way that instructional offerings and modules from previous levels are assumed to be in place, and instructional offerings and modules on subsequent levels are expected to build on previously acquired knowledge, skills and attributes.

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the

student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Prerequisite instructional offerings

Medical Rescue II

All module instructional offerings for Medical Rescue I, Basic Sciences I, and Emergency Medical Care I: Work-Integrated Learning

Emergency Medical Care II: Work-Integrated Learning

All module instructional offerings for Emergency Medical Care I: Work-Integrated Learning, Anatomy & Physiology I, Basic Sciences I, and Emergency Service Technology I

Physiology II

All module instructional offerings for Anatomy & Physiology I and Basic Sciences I

Emergency Service Communication I

All module instructional offerings for Emergency Service Technology I

Emergency Medical Care III: Work-Integrated Learning

All module instructional offerings for Emergency Medical Care II: Work-Integrated Learning, Physiology II, Pharmacology I, and Emergency Service Communication I

General Pathology I

Pharmacology I and Physiology II

Medical Rescue III

All module instructional offerings for Medical Rescue II and Emergency Medical Care II: Work-Integrated Learning

Emergency Service Administration I

Emergency Service Communication I

12.5 NATIONAL DIPLOMA: ENVIRONMENTAL HEALTH THNDEV

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 375
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
ANF10AT			Anatomy & Physiology I	24
FEC10AT			Physics & Chemistry I	24
GMO10AT			Community Development I	24
MBO10BT			Microbiology I	24
OMB10AT			Environmental Planning I	24
PRE1A PRE2B			English Proficiency and English Proficiency	9
	BGV20AT		Occupational Health & Safety II	24
	EPI20AT		Epidemiology II	24
	GMO20AT		Community Development II	24
	OAW20AT		Environmental Pollution: Waste & Water II	24
	VVH20AT		Food & Meat Hygiene II	24
		BGV30AT	Occupational Health & Safety III	24
		FBS30AT	Management Practice III	30
		EPI30AT	Epidemiology III	24
		OLG30AT	Environmental Pollution: Air & Noise III	24
		VVH30AT	Food & Meat Hygiene III	24
Total:				375

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Environmental Health Practitioners of the Health Professions Council of South Africa, as stipulated in Government Gazette R1869, dated 79.08.24.

At least 25 working days during the first and second years of study and at least 40 working days in the third year of study are to be completed under the supervision of a registered environmental health practitioner.

Instructional offerings at all levels are assessed internally by CUT. Level-III instructional offerings, however, are moderated externally. Practical assessments in the instructional offering Food & Meat Hygiene III are conducted internally by CUT.

In cases where a practical assessment is administered, the final assessment mark is awarded for both the theory and practical components.

Directly upon receiving the National Diploma, all students are expected to perform 12 months of compulsory community service.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Since the physical, chemical and biological stressors to which students are exposed during the practical component of the programme may be detrimental to the health of an unborn child, a female student is not permitted to complete the practical section of the programme during pregnancy. Any student who suspects she may be pregnant must notify the relevant Head of Department immediately. Such a student must discontinue Food & Meat Hygiene III (VVH30AT) (if registered). It is also recommended that the student discontinues the following instructional offerings (if registered) for the full duration of her pregnancy:

- MBO10AT Microbiology I
- BGV 20AT Occupational Health & Safety II
- OAW20AT Environmental Pollution: Waste & Water II
- BGV30AT Occupational Health & Safety III

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade in any **two** of the following subjects is required: Biology, Physical Science, and/or Mathematics. Geography and/or Physiology are recommended.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in both Life Science **and** Physical Science, **as well as** a minimum mark of 40% in Mathematics, **or** a minimum mark of 50% in Mathematical Literacy, is required.

A candidate might be recommended for, and must then successfully complete, a selection process for admission to the learning programme, and meritorious exceptions may be considered for the Extended Curriculum Programme (ECP).

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings	Prerequisite instructional offerings
Food & Meat Hygiene II	Microbiology I
Environmental Pollution: Waste & Water II	Environmental Planning I
Epidemiology II	Microbiology I
Occupational Health & Safety II	Physics & Chemistry I or
	Anatomy & Physiology I
Community Development II	Community Development I
Food & Meat Hygiene III	Food & Meat Hygiene II
Environmental Pollution: Air & Noise III	Environmental Pollution: Waste & Water II
Epidemiology III	Epidemiology II
Occupational Health & Safety III	Occupational Health & Safety II
Management Practice III	Community Development II

12.6 NATIONAL DIPLOMA: FIRE TECHNOLOGY THNDFU (This programme will end at the end of the first semester 2015.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR		INSTRUCTIONAL OFFERINGS	CREDITS
SEMESTER 1	SEMESTER 2		
NDB11AT	NDB12AT	Emergency Management I	14
FCN11AT	FCN12AT	Fire Construction I	14
FHD11AT	FHD12AT	Fire Hydraulics I	14
CND11AT	CND12AT	Chemistry: Emergency Services I	14
FND11AT	FND12AT	Physics: Emergency Services I	14
FRT11AT	FRT12AT	Fire Technology I	14
*FTP11AT	*FTP12AT	Fire Technology: Work-Integrated Learning I	28
PRE1A PRE2B		English Proficiency and English Proficiency	9
	PRE2A PRE1B	English Proficiency and English Proficiency	9
Total:			122

2 ND YEAR		INSTRUCTIONAL OFFERINGS	CREDITS
SEMESTER 1	SEMESTER 2		
NDB21AT	NDB22AT	Emergency Management II	15
FCN21AT	FCN22AT	Fire Construction II	15
FHD21AT	FHD22AT	Fire Hydraulics II	15
FRC21AT	FRC22AT	Fire Chemistry II	15
FRP21AT	FRP 22AT	Fire Physics II	15
FRT21AT	FRT22AT	Fire Technology II	15
*FTP21AT	*FTP22AT	Fire Technology: Work-Integrated Learning II	30
Total:			121

3 RD YEAR		INSTRUCTIONAL OFFERINGS	CREDITS
SEMESTER 1	SEMESTER 2		
NDB31AT	NDB32AT	Emergency Management III	15
FCN31AT	FCN32AT	Fire Construction III	15
FHD31AT	FHD32AT	Fire Hydraulics III	15
FRC31AT	FRC32AT	Fire Chemistry III	15
FRP31AT	FRP 32AT	Fire Physics III	15
FRT31AT	FRT32AT	Fire Technology III	15
*FTP31AT	*FTP32AT	Fire Technology: Work-Integrated Learning III	30
Total:			121

REMARKS

This programme is in its phasing-out stage and will end at the end of the first semester 2015. Thus no entrants may enter the programme anymore.

*One year of Work-Integrated Learning, presented by or acknowledged by the Mangaung Fire Department, is a prerequisite for the completion of this learning programme.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, the candidate must have at least three years' appropriate working experience. The employer's recommendation is required.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, the candidate must have at least three years' appropriate working experience. The employer's recommendation is required.

At least three years of appropriate in-service training or work experience, including FF1, FF2 and HAZMAT. The employer's recommendation is required.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory – three semester modules per semester per year.

PREREQUISITES

Refer to paragraph 1 under the heading "Admission to a higher level of study" (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy Programme.

**12.7 NATIONAL DIPLOMA: RADIOGRAPHY (DIAGNOSTIC) TANDDA
NATIONAL DIPLOMA: RADIOGRAPHY (THERAPY) TANDAA**

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR Specific Discipline	INSTRUCTIONAL OFFERINGS	CREDITS
RAD10AT			Radiographic Practice I	24
KLR10AT			Clinical Radiographic Practice I: Work-Integrated Learning	24
SWT10AT			Radiation Science I	0
BRE10AT			Image Recording I	12
FSC10AT			Physics & Chemistry I	14
ANT10AT			Anatomy I	24
FSG10BT			Physiology I	12
PSG10AT			Psychodynamics of Patient Management I	12
PTO10AT			Radiographic Pathology I	12
PRE1A PRE2B			English Proficiency and English Proficiency	9
	RAD20AT		Radiographic Practice II (D)	24
	RAT20AT		Radiographic Practice II (T)	36
	KLD20AT		Clinical Radiographic Practice II (D): Work-Integrated Learning	24
	KLT20AT		Clinical Radiographic Practice II (T)	48
	SWT20AT		Radiation Science II	0
	BRE20AT		Image Recording II	24
	STF20AT		Radiation Physics II	24
	PTO20AT		Radiographic Pathology II	24

1 ST YEAR	2 ND YEAR	3 RD YEAR Specific Discipline	INSTRUCTIONAL OFFERINGS	CREDITS
		Diagnostic		
		RAD30AT	Radiographic Practice III (D)	36
		KLD30AT	Clinical Radiographic Practice III (D): Work-Integrated Learning	48
		SWD30AT	Radiation Science III (D)	24
		RAB30AT	Radiographic Management III (D)	12
		Therapy		
		RAT30AT	Radiographic Practice III (T)	36
		KLT30AT	Clinical Radiography Practice III (T): Work-Integrated Learning	48
		SWT30AT	Radiation Science III (T)	24
		SIL30AT	Applied Psychology III (T)	24
		BIO30AT	Radiobiology III (T)	24
			Total:	383

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to radiography, as approved.

The option to study Therapy can only be executed upon successful completion of the National Diploma: Radiography (Diagnostic). The therapy programme will only be offered for a minimum of five (5) students per year of study.

Work-Integrated Learning is conducted simultaneously with formal training in a training unit, as approved by the Professional Board for Radiography and Clinical Technology. The student is placed as a student radiographer at an accredited hospital and undergoes Work-Integrated Learning for a specific number of hours as prescribed by the Professional Board for Radiography and Clinical Technology. The Work-Integrated Learning can make it practically impossible for a student to take instructional offerings on two academic levels in a single academic year. A student who fails is assessed on an individual basis in respect of continuation of studies.

To qualify for a National Diploma in an additional category (e.g. Therapy), a student who has already obtained a National Diploma in Radiography must pass the instructional offerings with 50% additional credits in the additional category.

Assessment: Formative and Summative.

Work-Integrated Learning: Clinical Radiography I, II & III (Diagnostic or Therapy) are assessed in practice (continuously). Practical competency and skills are assessed according to specific guidelines.

The radiation to which a radiographer is exposed may be detrimental to the health of an unborn child. Since students are exposed to radiation during the practical component of the learning programme, a female student is not permitted to complete the practical part of the learning programme during pregnancy. Any student who suspects she may be pregnant must notify the relevant Head of Department immediately. Such a student must discontinue the learning programme for the full duration of her pregnancy.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in all three of the following subjects is required: Biology/Physiology, Physical Science, and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science and Physical Science, as well as a minimum mark of 40% in Mathematics, is required.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings

Radiographic Practice II (D), (T) and
Clinical Radiographic Practice II (D): Work-Integrated
Learning, Clinical Radiographic Practice II (T): Work-
Integrated Learning

Radiation Science II (Image Recording and
Radiation Physics)
Radiographic Pathology II

Prerequisite instructional offerings

Radiographic Practice I and
Clinical Radiographic Practice I: Work-
Integrated Learning, Radiography I

Radiation Science I (Image Recording and
Physics & Chemistry)
Anatomy I, Physiology I and
Radiographic Pathology I

Radiographic Practice III (D) and Clinical Radiographic Practice III (D): Work-Integrated Learning	Radiographic Practice II (D) and Clinical Radiographic Practice II (D): Work Integrated Learning:
Radiographic Practice III (T) and Clinical Radiographic Practice III (T): Work-Integrated Learning	Radiographic Practice II (T) and Clinical Radiographic Practice II (T): Work-Integrated Learning
Radiation Science III (D) & (T) Radiobiology III (T)	Radiation Science II (Image Recording and Radiation Physics)

12.8 NATIONAL DIPLOMA: SOMATOLOGY THNDGI

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 369
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional Offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
SOM10AT			Soma Techniques I (main instructional offering)	0
SMT10AT			Soma Techniques I (Theory) (module instructional offering)	24
SMP10AT			Soma Techniques I (Practical) (module instructional offering)	24
SMR12AT			Computer Skills I (module instructional offering)	6
EST10BT			Aesthetics I	12
BTK10AT			Biotics I	6
WSP10AT			Science I (Theory and Practical)	12
AFI10CT			Anatomy & Physiology I	18
CCS10AT			Communication Skills I	6
VDN10AT			Nutrition I	6
PRE1A PRE2B			English Proficiency and English Proficiency	9
	SOM20AT		Soma Techniques II (main instructional offering)	0
	SMT20AT		Soma Techniques II (Theory) (module instructional offering)	24
	SMP20AT		Soma Techniques II (Practical) (module instructional offering)	36
	BTK20AT		Biotics II	6
	WSP20AT		Science II (Theory and Practical)	12
	AFG20BT		Anatomy & Physiology II	18
	SAK10BB		Business Practice I	6
	SSK10AT		Socio-Psychology I	12
	VDN20AT		Nutrition II	6

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
		SOM30AT	Soma Techniques III (main instructional offering)	0
		SMT30AT	Soma Techniques III (Theory) (module instructional offering)	24
		SMP30AT	Soma Techniques III (Practical) (module instructional offering)	36
		BTK30AT	Biotics III	6
		SSK20AT	Socio-Psychology II	12
		VDN30AT	Nutrition III	6
		SAK20AB	Business Practice II	6
		BWS30AT	Applied Biological Sciences III	6
		SOP20AT	Work-Integrated Learning: Soma Techniques Project II	30
Total:				375

REMARKS

In the third year of study, the student must complete 300 hours of Work-Integrated Learning in one or more accredited salons. Only the weekly hours scheduled on the timetable are taken into account. In the event of a student deciding to work overtime or on a Saturday, Sunday or public holiday, this is considered a separate agreement between the student and the salon owner, and those hours are not taken into account in the accumulation of the required 300 hours. Work-Integrated Learning: Soma Techniques Project II (SOP 20AT) is a year instructional offering and is to be completed in full to allow the student to pass the instructional offering. A student is responsible for her own placement at an accredited salon/clinic, as well as the necessary travel arrangements.

Work-Integrated Learning (WIL) will be scheduled for the months of December to February as from 2014, for applicable and beneficial exposure at spas and resorts.

Before the National Diploma can be awarded, the student must have earned the recognised first-aid certificate, as well as diplomas from certain product houses, as required by the course.

A candidate only qualifies for the CIDESCO assessment if:

1. She achieves a minimum of 60% in both the theoretical and practical components of the instructional offering Soma Techniques III during the first and second quarters; and
2. She passes all first-year and second-year instructional offerings of the National Diploma: Somatology.

A subminimum of 50% for each section of the practical (SMP) and theoretical (SMT) assessment, as well as a minimum of 50% for the paper as a whole, is required for a student to pass the main instructional offering (SOM).

For example, if SMP20AT consists of theoretical and practical sections A to E (Facials, Slimming, Aromatherapy & Reflexology, Manual Lymph Drainage (MLD) and Diathermy), the student must score at least 50% in each separate section in order to pass SMP20AT. Should a student fail even one of the sections, she will be required to reregister for SMP20AT in its entirety and pass all sections successfully before she will be permitted to register for SMP30AT.

A student may be refused admission to the assessment if she has been absent from more than two practical periods in a term. This rule is applicable to each separate practical section.

It is compulsory for a student to dress in the prescribed uniform and shoes (refer to the general rules applicable to the Somatology programme).

Since the electrical apparatus to which students are exposed during the practical component of the learning programme may prove detrimental to the health of an unborn child, a female student is not permitted to complete the practical part of the learning programme during pregnancy. Any student who suspects she may be pregnant must notify the relevant Head of Department immediately.

On successful completion of this qualification, a National Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in Physical Science **or** Biology **or** Physiology is required. Mathematics is recommended.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Science **or** Physical Science is required.

A candidate must successfully complete the selection process for admission to this learning programme.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Academic Literacy requires the successful completion of two instructional offerings, A and B, in this specific order.

A distinction (75% or more) in instructional offering A ensures exemption from instructional offering B. A pass (without distinction) means that the student must pass instructional offering B in order to meet the prerequisite for the learning programme. Failing instructional offering A means that the student must reregister for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy programme.

Instructional offerings	Prerequisite instructional offerings
Soma Techniques II	Soma Techniques I
Soma Techniques III	Soma Techniques II
Biotics II	Biotics I
Biotics III	Biotics II
Science II	Science I
Anatomy & Physiology II	Anatomy & Physiology I
Nutrition II	Nutrition I
Nutrition III	Nutrition II
Socio-Psychology II	Socio-Psychology I
Business Practice II	Business Practice I
Work-Integrated Learning: Soma Techniques Project II	Soma Techniques I & II

13. NATIONAL CERTIFICATE

13.1 NATIONAL CERTIFICATE: DENTAL ASSISTING THNSDA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 141
NQF LEVEL: 5
DURATION OF LEARNING PROGRAMME: 1 year full-time

Instructional Offerings

1ST YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
TPB10BT	Dental Practice Management I	24
MAP10AT	Oral Anatomy & Pathology I	24
TAP10BT	Dental Assisting: Practical I	24
TAT10BT	Dental Assisting: Theory I	24
THE10ZT	Dental Practice: Work-Integrated Learning	36
PRE1A PRE2B	English Proficiency and English Proficiency	9
Total:		141

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 141
NQF LEVEL: 5
DURATION OF LEARNING PROGRAMME: 2 years part-time

Instructional Offerings

1 ST YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
TPB10BT	Dental Practice Management I	24
MAP10AT	Oral Anatomy & Pathology I	24
PRE1A PRE2B	English Proficiency and English Proficiency	9

2 ND YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
TAP10BT	Dental Assisting: Practical I	24
TAT10BT	Dental Assisting: Theory I	24
THE10ZT	Dental Practice: Work-Integrated Learning	24
Total:		141

This programme can be presented on a full-time basis over a period of one year or on a part-time basis over a minimum period of two years.

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Dental Therapy and Oral Hygiene of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to dental assisting, as approved. A minimum of 480 hours of Work-Integrated Learning at dental clinics, hospitals and/or private dental practices is required.

Assessment: Formative and Summative.

Practical competency and skills are assessed according to specific guidelines, which include Dental Assisting: Practical and Computer Literacy. It is compulsory for students to adhere to the stipulated ethical rules and dress code during practical and Work-Integrated Learning sessions.

The radiation to which a dental assistant is exposed may be detrimental to the health of an unborn child. Due to the important practical component of the course, during which students are exposed to radiation, a female student may not complete the practical part of her course during pregnancy. Any student who suspects she may be pregnant must notify the Head of Department immediately.

On successful completion of this qualification, a National Certificate will be awarded during the official graduation ceremony of the CUT.

Admission requirements

National Senior Certificate or equivalent qualification.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 50% on Standard Grade or 40% on Higher Grade in Biology/ Physiology is required.

For candidates who completed the NSC in 2008 and thereafter:

In addition to the general admission requirements, a minimum mark of 50% in Life Sciences is required.

Minimum requirements

- The minimum requirements for enrolment are an FETC with six 20-credit-bearing subjects with a rating of four, and a minimum rating of one for Life Orientation (thus a total credit value of at least 25).
- Aptitude test if the candidate has passed four FETC credit-bearing designated subjects with a rating of four, plus two 20-credit-bearing designated subjects with a rating of three, and a minimum rating of one for Life Orientation (thus a total credit value of at least 23).
- English as a language subject (home or additional), with a minimum rating of three.

In addition to the above:

- Life Science (Rating 4).

Note: If more applications are received than can be accommodated by the learning programme, selection will be based on academic merit.

(Note: The minimum value of 25 is calculated as follows: 6 x 4 for six 20-credit-bearing subjects at level four, plus one for Life Orientation at level three.)

A candidate who fails one or more instructional offerings must reapply for admission.

Applicants in possession of the National Certificate Vocational (NCV) will be selected according to the selection requirements as approved by Senate.

No student will be allowed to graduate without completing the Academic Literacy programme.

It is compulsory for candidates who wish to enrol for the part-time programme to be employed by a dental practitioner as a dental assistant.

14. BACCALAUREUS TECHNOLOGIAE DEGREES

14.1 BACCALAUREUS TECHNOLOGIAE: AGRICULTURAL MANAGEMENT TLBTLA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional Offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offerings		
FIN40AT	Financial Management: Agriculture IV	27
STG40AT	Strategic Management: Agriculture IV	27
LEA20AT	Leadership Development II	27
Optional instructional offerings		
ANI40AT	*Animal Production IV	27
PLT40AT	*Plant Production IV	27
Total:		120

**Optional instructional offerings.*

REMARKS

The fourth academic year of the Baccalaureus Technologiae: Agricultural Management is offered on a full-time or part-time block basis.

On successful completion of this qualification, a Baccalaureus Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Diploma: Agricultural Management, or equivalent qualification, with the appropriate instructional offerings.

Optional instructional offerings

Instructional offerings marked with an asterisk (*).

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Instructional offerings

Financial Management: Agriculture IV
 Strategic Management: Agriculture IV

Prerequisite instructional offerings

Agricultural Management III
 Agricultural Management III

Animal Production IV Plant Production IV Leadership Development II	Animal Production III Plant Production III Human Resources Management: Agriculture I
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14.2 BACCALAUREUS TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY TABTBH

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional Offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
LMN21AT LMN22AT	Laboratory Management or Laboratory Management	12
NMT21BT NMT22BT	Research Methods & Techniques and Research Methods & Techniques	12 12
IPT40AT	Integrated Pathophysiology IV	24
BCH40AT	Biochemistry IV	24
PJT40AT	Project	36
Total:		120

The fourth academic year can be presented on a full-time basis over a period of one year or on a part-time basis over a minimum period of two years.

REMARKS

The student must complete two level-IV instructional offerings as indicated. A compulsory research project must preferably be completed during the year in which ONE of the level-IV instructional offerings is selected. If this is not feasible, the student must complete the research project within three years after completing the level-IV subjects in order to qualify for the degree. The project supervisor or co-supervisor must be an employee of CUT.

The student must ensure that he/she has met the requirements with regard to ethical clearance (where applicable), since failure to do so may prevent the assessment of the research protocol and thesis.

CUT reserves the right to present certain instructional offering combinations at fourth-year level.

On successful completion of this qualification, a Baccalaureus Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Diploma: Biomedical Technology, or equivalent qualification, with the appropriate instructional offerings.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Instructional offerings

Compulsory Research Project or simultaneously with
Research Methods & Techniques

Prerequisite instructional offerings

Research Methods & Techniques

14.3 BACCALAUREUS TECHNOLOGIAE: CLINICAL TECHNOLOGY TABTNI

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional Offerings

4TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offerings		
BGS11AT	Principles of Management I or	
BGS12AT	Principles of Management I	12
NMT21CT	Research Methodology: Natural Sciences and	12
NMT22CT	Research Methodology: Natural Sciences	12
Optional instructional offerings		
One of the following instructional offerings corresponding with the third-year choice:		
KAR40AT	Work-Integrated Learning: Cardiology IV (main instructional offering)	84
KDP40AT	Cardiology IV Project (module instructional offering)	84
KDT40AT	Cardiology IV Theory/Practical (module instructional offering)	84
KRI40AT	Work-Integrated Learning: Critical Care IV (main instructional offering)	84
KIT40AT	Critical Care IV Project (module instructional offering)	84
KIP40AT	Critical Care IV Theory/Practical (module instructional offering)	84
NEF40AT	Work-Integrated Learning: Nephrology IV (main instructional offering)	84
NFP40AT	Nephrology IV Project (module instructional offering)	84
NFT40AT	Nephrology IV Theory/Practical (module instructional offering)	84
NEU40AT	Work-Integrated Learning: Neurophysiology IV (main instructional offering)	84
NGP40AT	Neurophysiology IV Project (main instructional offering)	84
NGT40AT	Neurophysiology IV Theory/Practical (main instructional offering)	84
PER40AT	Work-Integrated Learning: Perfusion IV (main instructional offering)	84
RFP40AT	Perfusion IV Project (module instructional offering)	84
RFT40AT	Perfusion IV Theory/Practical (module instructional offering)	84
REP40AT	Work-Integrated Learning: Reproductive Biology IV (main instructional offering)	84
RBP40AT	Reproductive Biology IV Project (module instructional offering)	84
RBT40AT	Reproductive Biology IV Theory/Practical (module instructional offering)	84
PUL40AT	Work-Integrated Learning: Pulmonology IV (main instructional offering)	84
PYP40AT	Pulmonology IV Project (module instructional offering)	84
PYT40AT	Pulmonology IV Theory/Practical (module instructional offering)	84
Total:		120

The fourth academic year can be presented on a full-time basis over a period of one year or on a part-time basis over a minimum period of two years.

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to clinical technology, as approved.

Instructional offerings at fourth-year level are taken together with Work-Integrated Learning in an accredited training unit and in a specific category as approved by the Professional Board for Radiography and Clinical Technology and CUT, in co-operation with CUT, the employer and the Professional Board. The student must comply with 1800 hours for the year, set as the minimum requirement by the HPCSA.

A compulsory research project in a level-IV instructional offering must be completed. A written research proposal must reach the Head of Department as stipulated in the Baccalaureus Technologiae instruction manual. The student must ensure that he/she has met the requirements with regard to ethical clearance, since failure to do so may prevent the assessment of the research protocol and thesis. The project supervisor or co-supervisor must be an employee of CUT. CUT reserves the right to present certain instructional offering combinations at fourth-year level.

On successful completion of this qualification, a Baccalaureus Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Diploma: Clinical Technology, or equivalent qualification, with the appropriate instructional offerings.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

Instructional offering

Level-IV instructional offerings

Prerequisite instructional offering

Pharmacology II

14.4 BACCALAUREUS TECHNOLOGIAE: ENVIRONMENTAL HEALTH THBTEM

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional Offerings

4TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offerings		
NMD10AT	Research Methodology I	30
FBS40AT	Management Practice IV	30
Optional instructional offerings		
Plus any two of the following:		
VDH40BT	Food Hygiene IV	30
BGV40AT	Occupational Health & Safety IV	30
WAT40AT	Water Quality Management IV	30
EPY40AT	**Environmental Epidemiology IV	30
AFV40AT	Waste Management IV	30
VHG40AT	*Meat Hygiene IV	30
LUG40AT	*Air Pollution IV	30
Total:		120

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Environmental Health Practitioners of the Health Professions Council of South Africa, as stipulated in Government Gazette R1869, dated 79.08.24.

Instructional offerings at all levels are assessed internally by CUT. Level-IV instructional offerings, however, are moderated externally.

At fourth-year level, instructional offerings from the list of options may only be taken if all learning units of the instructional offerings have been passed at third-year level. Instructional offerings marked with an asterisk (*) under "Optional instructional offerings" are not offered at CUT. Instructional offerings marked with a double asterisk (**) will be considered on the basis of demand.

On successful completion of this qualification, a Baccalaureus Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Since the physical, chemical and biological stressors to which students may be exposed during the practical component of the research project could prove detrimental to the health of an unborn child, a pregnant student might not be permitted to complete the practical section of the research project, depending on the type of project. Any student who suspects that she may be pregnant must notify the relevant Head of Department immediately. It is recommended that the student, after consulting with the lecturer, discontinues any research activity that may pose a risk to her pregnancy.

Admission requirements

National Diploma: Environmental Health, or equivalent qualification with a minimum average mark of 55% for the qualification, with the appropriate instructional offerings.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

All prospective students will be subject to a selection process.

Students who are employed full time or engaged in community service will not be allowed to register on a full-time basis.

**14.5 BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY (DIAGNOSTIC) TABTDC
BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY (THERAPY) TABTOT**

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional Offerings

4TH YEAR Diagnostic	4TH YEAR Therapy	INSTRUCTIONAL OFFERINGS	CREDITS
BSB10BT		Management Principles & Practice I	24
NMT20BT		Research Methods & Techniques	24
RAD40AT		Radiographic Practice IV (D)	72
	BSB10BT	Management Principles & Practice I	24
	NMT20BT	Research Methods & Techniques	24
	RAT40AT	Radiographic Practice IV (T)	72
Total:			120

The fourth academic year can be presented on a full-time basis over a period of one year or on a part-time basis over a minimum period of two years.

REMARKS

Upon commencing his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act, 1974 (Act 56 of 1974) and the subsequent amendments pertaining to radiography, as approved.

Computer literacy and skills, as well as internet access, are recommended due to the structure and presentation of the learning programme.

On successful completion of this qualification, a Baccalaureus Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Diploma: Radiography, or equivalent qualification, with the appropriate instructional offerings.

Applicable National Diploma in Radiography or equivalent qualification, subject to the recognition of prior learning in accordance with the policies and procedures of CUT.

A candidate must successfully complete the selection process for the Baccalaureus Technologiae programme.

A compulsory research project in a level-IV instructional offering must be completed. A written research proposal must reach the Head of Department before the end of March of the year in which the level-IV instructional offering is taken. The project supervisor or co-supervisor must be an employee of CUT. CUT reserves the right to present certain instructional offering combinations at fourth-year level.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 8 of this chapter).

14.6 BACCALAUREUS TECHNOLOGIAE: SOMATOLOGY THBTLO

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional Offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	CREDITS
Compulsory instructional offerings		
SOM40AT	Soma Techniques IV (main instructional offering)	0
SMT40AT	Soma Techniques IV (Theory) (module instructional offering)	16
SMP40AT	Soma Techniques IV (Practical) (module instructional offering)	16
NMT20CT	Research Methodology: Natural Sciences	30
SPJ40AT	Somatology Project IV	34
BTK40AT	Biotics IV	12
VDG40AT	Nutrition IV	12
Total:		120

The fourth academic year can be presented on a full-time basis over a period of one year or on a part-time basis over a minimum period of two years.

REMARKS

A student must pass all the instructional offerings up to third-year level before being permitted to register for the fourth year.

It is compulsory for a student to dress in the prescribed uniform and shoes.

On successful completion of this qualification, a Baccalaureus Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

National Diploma: Somatology, or equivalent qualification, with the appropriate instructional offerings.

A candidate must successfully complete the selection process for the Baccalaureus Technologiae programme.

PREREQUISITES

Refer to paragraph 1 under the heading "Admission to a higher level of study" (point 8 of this chapter).

Instructional offerings

Soma Techniques IV
Biotics IV
Nutrition IV
Business Practice III

Prerequisite instructional offerings

Soma Techniques III
Biotics III
Nutrition III
Business Practice II

15. MAGISTER TECHNOLOGIAE DEGREE

These learning programmes will be offered in Bloemfontein.

SAQA CREDITS: 120

NQF LEVEL: 9

PROGRAMME CODE	MAGISTER TECHNOLOGIAE	MAIN CODE	INSTRUCTIONAL OFFERINGS
ILMTLM	Agriculture	THE50AI	Dissertation
TAMTTY	Biomedical Technology	THE50AT	Dissertation
TAMTNG	Clinical Technology	DEL50AT	Dissertation
THMTGH	Environmental Health	VER50AT	Dissertation
TAMTDO	Radiography (Diagnostic)	THS50AT	Dissertation (Diagnostic)
TAMTDO	Radiography (Therapy)	SIS50AT	Dissertation (Therapy)
TAMTDO	Radiography (Nuclear Medicine)	HAN50AT	Dissertation (Nuclear Medicine)
THMTSO	Somatology	TSS50AT	Dissertation

REMARKS

The Magister Technologiae Degree is only awarded on completion of an approved research project and upon submission of a dissertation.

Prospective students may be subject to a selection process.

On successful completion of this qualification, a Magister Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

Baccalaureus Technologiae Degree or equivalent qualification.

16. DOCTOR TECHNOLOGIAE DEGREE

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 240

NQF LEVEL: 10

PROGRAMME CODE	DOCTOR TECHNOLOGIAE	MAIN CODE	INSTRUCTIONAL OFFERINGS
ILDTUL	Agriculture	GEV90AI	Thesis
TADTBX	Biomedical Technology	GEV90AT	Thesis
TADTNH	Clinical Technology	GNP90AT	Thesis
THDTHH	Environmental Health	NAV90AT	Thesis
THDTSC	Somatology	VOR90AT	Thesis

REMARKS

A research proposal is to be submitted within three months of registration, for approval by the relevant Head of Department.

Prospective students may be subject to a selection process. According to the Student Assessment Manual 2013, prospective students must submit a protocol.

On successful completion of this qualification, a Doctor Technologiae Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

Magister Technologiae Degree or equivalent qualification.

17. POSTDOCTORAL STUDIES

PROGRAMME CODE	POSTDOCTORAL STUDIES	MAIN CODE	INSTRUCTIONAL OFFERING
POSTDH	Postdoctoral Studies	RESHLTH	Research: Health & Environmental Sciences