

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

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ASSISTANT DEAN: RESEARCH, INNOVATION AND ENGAGEMENT	Prof. C van der Westhuizen, PhD (UFS)
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FACULTY OFFICER	Vacant
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ASSOCIATE PROFESSOR	Prof. K Syed, PhD (Sri Krishnadevaraya University)
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LECTURERS	Mr LF Mogongoa, MTech (CUT) Mr PM Makhoahle, MMedSc, BSc, BMed Hons (UFS) Ms M Vosloo, MTech (CUT), CIDESCO Ms MK Wiese, MTech (CUT) Ms TM Boshoff, MTech (CUT), CIDESCO Ms J Badenhorst, MTech (CUT), CIDESCO Ms J Jonker, MTech (CUT), CIDESCO Mr J Perkins, BTech (CUT)
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DEPARTMENT OF CLINICAL SCIENCES

HEAD OF DEPARTMENT	Prof. HS Friedrich-Nel, PhD (UFS)
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LECTURERS	Dr JGE du Plessis, PhD, MHES (UFS) Mr RS Slabbert, BMedSc Hons (UFS), MTech (CUT) Dr SF Raphela, DTech (CUT) Ms B van der Linde, MTech (CUT) Ms IK Sebelego, MTech (CUT) Mr N Phahlamohlaka, MTech (UJ) Ms H Muller, MTech (CUT)
JUNIOR LECTURERS	Ms C Geduld, BTech (CPUT) Ms S Dlamini, BTech (DUT)
WORK-INTEGRATED LEARNING CO-ORDINATORS	Ms M Ramos-Swanepoel, BTech (CUT) Ms T Wainwright, BTech (CUT) Ms S Mokuoane, BTech (CUT)

TECHNICAL ASSISTANT Vacant

**SENIOR ADMINISTRATIVE
ASSISTANT** Ms MN Molefi, NDip (Motheo)

DEPARTMENT OF AGRICULTURE

HEAD OF DEPARTMENT	Prof. PJ Fourie, NHDip (TSA), DTech (CUT), MDP (UFS)
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LECTURERS	Dr RJ Pretorius, MTech (CUT), PhD (NE) Mr PZ Khetssha, MTech (CUT)
SENIOR ADMINISTRATIVE ASSISTANT	Ms MB Kotsi, BTech (CUT)

DEPARTMENT OF LIFE SCIENCES

HEAD OF DEPARTMENT	Dr NJ Malebo, PhD (UFS)
PROFESSORS/ASSOCIATE PROFESSORS	Prof. JFR Lues, PhD (UFS) Prof. A Fossey, DSc (UP)
SENIOR LECTURERS	Dr HA Roberts, DTech (CUT) Dr C Weyers, DTech (CUT)

RESEARCHER

Dr O de Smidt, PhD (UFS)

LECTURERS

Dr L Esterhuizen, DTech (CUT)

Dr HCL Gleimius, PhD (CUT)

Dr J Oosthuysen, NDip (US), AdvDip (UP), DTech (CUT)

Dr D Mtyongwe, BSc (UFS), BChD (UP)

Mr MJ Manyatsa, MTech (CUT)

Ms SJ Nkhebenyane, MTech (CUT)

TECHNICAL ASSISTANT

Mr TP Makhele, BTech (CUT)

Mr M Mokhabi, NC Dental Assisting (CUT)

**SENIOR ADMINISTRATIVE
ASSISTANT**

Ms MY Botha, BTech (CUT)

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1. RULES OF THE FACULTY OF HEALTH AND ENVIRONMENTAL SCIENCES

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

2. 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 not at any 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 not at any stage accumulate more than two instructional offerings being carried over from previous years of study.

3. 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 relevant Head of Department (HoD) 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 re-assessment 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 zero (0) is entered into the Integrated Tertiary Software (ITS) System.

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 session in a learning unit.

4. ADVANCED DIPLOMA

A student enrolling at CUT initially registers for a 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 an advanced diploma, subsequent to the attainment of a national diploma, is considered 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.

5. BACCALAUREUS TECHNOLOGIAE DEGREE

A student enrolling at CUT initially registers for a 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 a Baccalaureus Technologiae degree, subsequent to the attainment of a national diploma, is considered 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.

6. HIGHER CERTIFICATE PROGRAMME OFFERED IN THE FACULTY

Higher Certificate in Dental Assisting

7. NATIONAL DIPLOMA: EXTENDED CURRICULUM PROGRAMMES (ECPs) OFFERED IN THE FACULTY

National Diploma: Biomedical Technology (ECP)

National Diploma: Clinical Technology (ECP)

National Diploma: Emergency Medical Care (ECP) (*Phased out*)

National Diploma: Environmental Health (ECP)

National Diploma: Radiography (Diagnostic) (ECP) (*Phasing out*)

National Diploma: Somatology (ECP)

8. NATIONAL DIPLOMA PROGRAMMES OFFERED IN THE FACULTY

National Diploma: Agricultural Management

National Diploma: Emergency Medical Care (*Phasing out*)

National Diploma: Environmental Health

National Diploma: Radiography (Diagnostic) (*Phasing out*)

National Diploma: Radiography (Therapy) (*Phasing out*)

National Diploma: Somatology (*Phasing out*)

9. DIPLOMA PROGRAMMES OFFERED IN THE FACULTY

Diploma in Biomedical Technology

Diploma in Clinical Technology

Diploma in Somatology

10. ADVANCED DIPLOMA PROGRAMME OFFERED IN THE FACULTY

Advanced Diploma in Agricultural Extension

11. BACCALAUREUS TECHNOLOGIAE DEGREE PROGRAMMES OFFERED IN THE FACULTY

Baccalaureus Technologiae: Agricultural Management

Baccalaureus Technologiae: Biomedical Technology

Baccalaureus Technologiae: Clinical Technology

Baccalaureus Technologiae: Environmental Health

Baccalaureus Technologiae: Radiography (Diagnostic) (*Phasing out*)

Baccalaureus Technologiae: Radiography (Therapy) (*Phasing out*)

Baccalaureus Technologiae: Somatology

12. BACHELOR'S DEGREE: EXTENDED CURRICULUM PROGRAMME (ECP) OFFERED IN THE FACULTY

Bachelor of Radiography in Diagnostics (ECP)

13. BACHELOR'S DEGREE PROGRAMME OFFERED IN THE FACULTY

Bachelor of Radiography in Diagnostics

14. MAGISTER TECHNOLOGIAE DEGREE PROGRAMMES OFFERED IN THE FACULTY

Magister Technologiae: Agriculture (*Phasing out*)

Magister Technologiae: Biomedical Technology (*Phasing out*)

Magister Technologiae: Clinical Technology (*Phasing out*)

Magister Technologiae: Environmental Health (*Phasing out*)

Magister Technologiae: Radiography (Diagnostic) (*Phasing out*)

Magister Technologiae: Radiography (Therapy) (*Phasing out*)

Magister Technologiae: Radiography (Nuclear Medicine) (*Phasing out*)

Magister Technologiae: Somatology (*Phasing out*)

15. MASTER'S DEGREE PROGRAMMES OFFERED IN THE FACULTY

Master of Agriculture

Master of Health Sciences in Biomedical Technology

Master of Health Sciences in Clinical Technology

Master of Health Sciences in Environmental Health

Master of Radiography

Master of Health Sciences in Somatology

16. DOCTOR TECHNOLOGIAE DEGREE PROGRAMMES OFFERED IN THE FACULTY

Doctor Technologiae: Agriculture

Doctor Technologiae: Biomedical Technology (*Phasing out*)

Doctor Technologiae: Clinical Technology (*Phasing out*)

Doctor Technologiae: Environmental Health

Doctor Technologiae: Somatology (*Phasing out*)

17. DOCTORATE DEGREE PROGRAMMES OFFERED IN THE FACULTY

Doctor of Health Sciences in Biomedical Technology

Doctor of Health Sciences in Clinical Technology

Doctor of Health Sciences in Somatology

18. DOCTORATE OF PHILOSOPHY DEGREE PROGRAMME OFFERED IN THE FACULTY

Doctor of Philosophy in Environmental Health

19. HIGHER CERTIFICATE

19.1 HIGHER CERTIFICATE IN DENTAL ASSISTING HLHCDL

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	141
NQF LEVEL:	5
HEMIS CREDITS:	1.000
DURATION OF LEARNING PROGRAMME:	1 year full-time or 2 years part-time

Instructional offerings

1 ST YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
LCS5001	Academic Literacy and Communication Studies	9	
TAT5000	Dental Assisting: Theory I	24	
TAP5000	Dental Assisting: Practical I	24	
TPB5000	Dental Practice Management I (Core Curriculum)	24	
THE5011	Dental Practice: Work-integrated Learning	36	
MAP5000	Oral Anatomy and Pathology I	24	
PIM5011	Personal Information Management	0	
Total:		141	

This programme is 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 with 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 (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to dental assisting, as approved. A minimum of 360 hours of work-integrated learning at dental clinics, hospitals and/or private dental practices is required.

Assessment: formative and summative assessment.

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.

Upon successful completion of this qualification, the Higher Certificate will be awarded during an official graduation ceremony of CUT.

Admission requirements

A National Senior Certificate (NSC) 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 a Further Education and Training Certificate (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).
- An 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 4 (four).

In addition to the above:

- Life Sciences (rating 4).

Note:

- If more applications are received than the number of students who can be accommodated by the learning programme, selection will be based on academic merit.
- 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 re-apply 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 and Communication Studies 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 for a minimum of two years.

20. NATIONAL DIPLOMA: EXTENDED CURRICULUM PROGRAMMES (ECPS)

20.1 NATIONAL DIPLOMA: BIOMEDICAL TECHNOLOGY (ECP) HXNDBA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	438
HEMIS CREDITS:	3.000
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	SAQA CREDITS	HEMIS CREDITS
ANA00FP PHY00FP CHM00FP				Anatomy Physiology Chemistry	12 12 6	
FIS00FP WIS00FP				Physics Mathematics	6 6	
LCS5001				Academic Literacy and Communication Studies (module instructional offering)	12	
NMC00FP				Numeracy (module instructional offering)	6	
DLC5011				Basic Digital Literacy (module instructional offering) (Semester 1)	6	
ADC5022				Advanced Digital Literacy (module instructional offering) (Semester 2)	6	
PIM5011				Personal Information Management (module instructional offering)	0	
	IGT11AT			Introduction to Medical Technology	10	
	CHB11CT			Chemistry I	12	
	BST11AT FSK11BT PFS22AT			Calculations and Statistics Physics I Pathophysiology II	12 12 12	
	BCH22AT IMM22BT			Biochemistry II Immunology II	12 12	
		MKB11AT		Microbiology I	15	
		BLD21AT		Blood Transfusion Technology	15	
		CHP11AT		Chemical Pathology I	15	
		SLP11AT		Cellular Pathology I	15	
		MKB22BT HEM22BT CHP22BT		Microbiology II Haematology II Chemical Pathology II	15 15 15	
		SLP22AT		Cellular Pathology II	15	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
			MKB31BT HEM31BT	Microbiology III Haematology III	15 15	
			CHP31BT SLP31AT LAB31BT / LAB32BT	Chemical Pathology III Cellular Pathology III Work-integrated Learning	15 15 60	
Total:					394	

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Medical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to medical technology, as approved. All students must be immunised against Hepatitis B.

Work-integrated learning takes place only at approved, accredited laboratories identified by CUT and the Professional Board for Medical Technology. A student with outstanding exit-level subjects may not be eligible for work-integrated learning placement.

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

The chemical and biological agents to which students could be exposed during the practical component of the learning programme may be detrimental to the health of a fetus. Any female student who suspects she may be pregnant must immediately notify the relevant Head of Department of the pregnancy, and the student must discontinue her studies for the full duration of her pregnancy.

Admission requirements

A National Senior Certificate (NSC) 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 Sciences 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 Sciences (rating 4) **and** Physical Sciences (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. A candidate is required to submit proof of job shadowing at an accredited diagnostic laboratory.

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

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

Provisionally selected students are subject to a second round of selection after submission of the NSC results. Should a prospective student have forfeited his/her selection, he/she might be considered for the limited number of ECP placements.

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 (DHET), 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 the 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 prerequisites for the learning programme. Failing instructional offering A means that the student must re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Introduction to Medical Technology; Chemistry I; Calculations and Statistics; and Physics I
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; Physics; and Mathematics
Anatomy and Physiology
Chemistry I
Biochemistry II & Calculations and Statistics
Anatomy & Physiology
Microbiology I; Biochemistry II; and Pathophysiology II
Microbiology II
Chemical Pathology I (Semester 1)
Chemical Pathology II (Semester 2)
Immunology II
Blood Transfusion Technology
Haematology II
Anatomy and Physiology
Cellular Pathology I (Semester 1)
Cellular Pathology II (Semester 2)
328 credits passed

20.2 NATIONAL DIPLOMA: CLINICAL TECHNOLOGY (ECP) HXNDCA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	438
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	4 years

Instructional offerings

1ST YEAR	2ND YEAR	3RD YEAR	4TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
ANA00FP				Anatomy	12	
PHY00FP				Physiology	12	
CHM00FP				Chemistry	6	
FIS00FP				Physics	6	
WIS00FP				Mathematics	6	
LCS5001				Academic Literacy and Communication Studies (module instructional offering)	12	
NMC00FP				Numeracy (module instructional offering)	6	
DLC5011				Basic Digital Literacy (module instructional offering) (Semester 1)	6	
ADC5022				Advanced Digital Literacy (module instructional offering) (Semester 2)	6	
PIM5011				Personal Information Management (module instructional offering)	0	
	ANA10AT			Anatomy I	30	
	FSL10AT			Physiology I	30	
	FSK11BT			Physics I	12	
	CHB11CT			Chemistry I	12	
	BST11AT			Calculations and Statistics I	12	
	PSI12AT			Psychodynamics I	15	
		BAP20AT		Biomedical Apparatus and Procedures I	30	
		OSP20AT		Organ and System Pathophysiology II	30	
		AFI20CT		Anatomy and Physiology II	27	
		FAR20AT		Pharmacology II	27	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Any ONE of the seven options below per category.						
			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	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
			TPT30AT	Work-integrated Learning: Reproductive Biology: Clinical Technology Practice III	40	
			BIR30BT	Work-integrated Learning: Reproductive Biology: Biomedical Apparatus III	40	
			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:					438	

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to clinical technology, as approved. Instructional offerings at fourth-year level are offered together with work-integrated learning at an accredited training unit, and in a specific category, as approved by the Professional Board for Radiography and Clinical Technology, in collaboration with CUT and the employer. The student must comply with 1 800 hours for the year, set as the minimum requirement by die HPCSA.

All students have to sign the Clinical Technology Code of Conduct before commencing with their work-integrated learning.

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences 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 Sciences **and** Physical Sciences, **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.

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

Provisionally selected students are subject to a second round of selection after submission of the NSC results. Should a prospective student have forfeited his/her selection, he/she might be considered for the limited number of ECP placements.

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 (DHET), 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Anatomy II & Physiology II

Organ and 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)

20.3 NATIONAL DIPLOMA: EMERGENCY MEDICAL CARE (ECP) HXNDEA
(No new first-year intake for the National Diploma: Emergency Medical Care (ECP) as from 2015.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
MINIMUM CREDITS REQUIRED: 414
HEMIS CREDITS: 3.000
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	SAQA CREDITS	HEMIS CREDITS
ANA00FP				Anatomy	12	
PHY00FP				Physiology	12	
CHM00FP				Chemistry	6	
FIS00FP				Physics	6	
WIS00FP				Mathematics	6	
COR00FP				Core Curriculum (main instructional offering)	0	
PRE1A				English Proficiency and	12	
PRE2B				English Proficiency		
NMC00FP				Numeracy (module instructional offering)	6	
DGL00FP				Digital Literacy (module instructional offering)	6	
ADC5011				Advanced Digital Literacy (module instructional offering) Semester 1 or	6	
ADC5022				Advanced Digital Literacy (module instructional offering) Semester 2	6	
PIM5011				Personal Information Management (module instructional offering)	0	
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		

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Module instructional offerings						
	EPP11AT			Ethics and Professional Practice I	6	
	CLR11AT			Cardiopulmonary Resuscitation	6	
	ECP10AT			Emergency Care of the Adult and Paediatric Patient	12	
	OBN12AT			Obstetrics and Neonatology I	6	
	CSC12AT			Emergency Care in Special Circumstances	6	
Main instructional offering						
	MST10AT			Emergency Service Technology I		
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	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Main instructional offering						
			MMC30AT	Emergency Medical Care III: Work-integrated Learning		
Module instructional offerings						
			EPP21AT	Ethics and Professional Practice II	6	
			CSP31AT	Cardiovascular Support in the Critical Patient	12	
			IAP30AT	Emergency Care of the Ill and Injured Adult and Paediatric Patient	12	
			OBN22AT	Obstetrics and Neonatology II	12	
			TIP32AT	Transportation of the Ill and Injured Patient	6	
Module instructional offerings						
			EPP21AT	Ethics and Professional Practice II	6	
			CSP31AT	Cardiovascular Support in the Critical Patient	12	
			IAP30AT	Emergency Care of the Ill and Injured Adult and Paediatric Patient	12	
			OBN22AT	Obstetrics and Neonatology II	12	
			TIP32AT	Transportation of the Ill and Injured Patient	6	
Total:					414	

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

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Emergency Care of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 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.

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences, and/or Biology/Physiology. Candidates must also successfully complete the selection process – which includes a fitness test, medical examination 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 Sciences, Physical Sciences and/or Mathematics, or Mathematical Literacy (60%). Candidates must also successfully complete the selection process – which includes a fitness test, medical examination 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 (DHET), 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 2 of this chapter).

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

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.

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Medical Rescue II

Emergency Medical Care II: Work-integrated Learning

Physiology II

Emergency Service Communication I

Emergency Medical Care III: Work-integrated Learning

General Pathology I

Medical Rescue III

Emergency Service Administration I

Prerequisite instructional offerings

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

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

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

All module instructional offerings for Emergency Service Technology I

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

Pharmacology I and Physiology II

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

Emergency Service Communication I

20.4 NATIONAL DIPLOMA: ENVIRONMENTAL HEALTH (ECP) HXNDOA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	408
HEMIS CREDITS:	3.000
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	SAQA CREDITS	HEMIS CREDITS
				Anatomy	12	
				Physiology	12	
				Chemistry	6	
				Physics	6	
				Mathematics	6	
				Academic Literacy and Communication Studies (module instructional offering)	12	
				Numeracy (module instructional offering)	6	
				Basic Digital Literacy (module instructional offering) (Semester 1)	6	
				Advanced Digital Literacy (module instructional offering) (Semester 2)	6	
				Personal Information Management (module instructional offering)	0	
	FEC10AT			Physics and Chemistry I	24	
	GMO10AT			Community Development I	24	
	MBO10BT			Microbiology I	24	
	OMB10AT	BGV20AT		Environmental Planning I	24	
				Occupational Health and Safety II	24	
		EPI20AT		Epidemiology II	24	
		GMO20AT		Community Development II	24	
		OAW20AT		Environmental Pollution: Waste and Water II	24	
		VVH20AT		Food and Meat Hygiene II	24	
			BGV30AT	Occupational Health and Safety III	24	
			FBS30AT	Management Practice III	30	
			EPI30AT	Epidemiology III	24	
			OLG30AT	Environmental Pollution: Air and Noise III	24	
			VVH30AT	Food and Meat Hygiene III	24	
				Total:	408	

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Environmental Health Practitioners of the Health Professions Council of South Africa (HPCSA), 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. Third-level instructional offerings, however, are moderated externally. Practical assessments in the instructional offering Food and 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' compulsory community service.

Upon successful completion of this qualification, the 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 and Meat Hygiene III (VVH30AT) if registered for the instructional offering. It is also recommended that the student discontinues the following instructional offerings, if registered for those instructional offerings, for the full duration of her pregnancy:

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences and Mathematics. Geography and/or Physiology 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 both Life Sciences **and** Physical Sciences, **as well as** a minimum mark of 40% in Mathematics, 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.

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

Provisionally selected students are subject to a second round of selection after submission of the NSC results. Should a prospective student have forfeited his/her selection, he/she might be considered for the limited number of ECP placements.

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 (DHET), 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.

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Food and Meat Hygiene II
Environmental Pollution: Waste and Water II
Epidemiology II
Occupational Health and Safety II

Community Development II
Food and Meat Hygiene III
Environmental Pollution: Air and Noise III

Prerequisite instructional offerings

Microbiology I
Environmental Planning I
Microbiology I
Physics and Chemistry I **or**
Anatomy & Physiology
Community Development I
Food and Meat Hygiene II
Environmental Pollution:
Waste and Water II

Epidemiology III
Occupational Health & Safety III
Management Practice III

Epidemiology II
Occupational Health and Safety II
Community Development II

20.5 NATIONAL DIPLOMA: RADIOGRAPHY (DIAGNOSTIC) (ECP) HXNDRA
(The National Diploma: Radiography (Diagnostic) (ECP) is phasing out. No new admissions for the first year will be accepted in 2018.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
MINIMUM CREDITS REQUIRED: 440
HEMIS CREDITS: 3.000
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 4 years

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS 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) & English Proficiency (main instructional offering)	9	
PRE2B						
SCC00FP				Success Skills (module instructional offering)	3	
NMC00FP				Numeracy (module instructional offering)	6	
DGL00FP				Digital Literacy (module instructional offering)	6	
	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 and 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	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
		STF20AT PTO20AT		Radiation Physics Radiographic Pathology II	24 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 with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 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 component 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 assessment.

Work-integrated Learning: Clinical Radiography I, II and III (Diagnostic) are assessed in practice (i.e. 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.

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences 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 Sciences and Physical Sciences, 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 (DHET), 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 obtain 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Radiographic Practice II (D) & Work-integrated Learning: Clinical Radiography II (D)

Radiation Science II (Image Recording and Radiation Physics)

Radiographic Pathology II

Prerequisite instructional offerings

Radiographic Practice I & Work-integrated Learning: Clinical Radiography I (D)

Radiation Science I (Image Recording) Physics & Chemistry

Radiographic Pathology I, Anatomy & Physiology

Radiographic Practice III (D) & Work-integrated Learning: Clinical Radiography III (D)	Radiographic Practice II (D) & Work-integrated Learning: Clinical Radiography II (D)
Radiation Science III (D)	Radiation Science II (Image Recording & Radiation Physics)

20.6 NATIONAL DIPLOMA: SOMATOLOGY (ECP) HXNDSA
(The National Diploma: Somatology (ECP) is phasing out. No new admissions for the first year will be accepted in 2017.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	396
HEMIS CREDITS:	3.000
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	SAQA CREDITS	HEMIS CREDITS
ANA00FP				Anatomy	12	
PHY00FP				Physiology	12	
WSP10AT				Science	12	
CCS10AT				Communication Skills I		
COR00FP				Core Curriculum (main instructional offering)	30	
LCS5001				Academic Literacy and Communication Studies	12	
NMC00FP				Numeracy (module instructional offering)	6	
DLC5011				Basic Digital Literacy (module instructional offering) - (Semester 1)	6	
ADC5022				Advanced Digital Literacy (module instructional offering) - (Semester 2)	6	
PIM5011				Personal Information Management (module instructional offering)	0	
	SOM10AT			Soma Techniques I (main instructional offering)	0	
	SMT10AT			Soma Techniques I (Theory) (module instructional offering)	24	
	SFT10AT			Soma Techniques I: Facials Theory		

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
	SPT10AT			Soma Techniques I: Manicures Theory		
	SMP10AT			Soma Techniques I (Practical) (module instructional offering)	24	
	SFP10AT			Soma Techniques I: Facials Practical		
	SPP10AT			Soma Techniques I: Manicures Practical		
	SWP10AT			Soma Techniques I: Swedish Practical		
	SXP10AT			Soma Techniques I: Wax Practical		
	EST10BT			Aesthetics I	12	
	BTK10AT			Biotics I	6	
	VDN10AT			Nutrition I	6	
		SOM20AT		Soma Techniques II (main instructional offering)	0	
		SMT20AT		Soma Techniques II (Theory) (module instructional offering)	24	
		SFT20AT		Soma Techniques II: Facials Theory		
		SST20AT		Soma Techniques II: Slimming Theory		
		SAT20AT		Soma Techniques II: Aromatherapy Theory		
		SRT20AT		Soma Techniques II: Reflexology Theory		
		SLT20AT		Soma Techniques II: Manual Lymph Drainage (MLD) Theory		
		SDT20AT		Soma Techniques II: Diathermy Theory		
		SMP20AT		Soma Techniques II (Practical) (module instructional offering)	36	
		SFP20AT		Soma Techniques II: Facials Practical		
		SSP20AT		Soma Techniques II: Slimming Practical		
		SAP20AT		Soma Techniques II: Aromatherapy Practical		
		SRP20AT		Soma Techniques II: Reflexology Practical		
		SLP20AT		Soma Techniques II: MLD Practical		
		SDP20AT		Soma Techniques II: Diathermy Practical		
		BTK20AT		Biotics II	6	
		WSP20AT		Science II (Theory and Practical)	12	
		AFG20BT		Anatomy and Physiology II	18	
		SAK10BB		Business Practice I	6	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
		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	
			SFT30AT	Soma Techniques III: Facials Theory		
			SST30AT	Soma Techniques III: Slimming Theory		
			SAT30AT	Soma Techniques III: Aromatherapy Theory		
			SRT30AT	Soma Techniques III: Reflexology Theory		
			SIT30AT	Soma Techniques III: IPL Theory		
			SCT30AT	Soma Techniques III: Aromatherapy Chemistry Theory		
			SMP30AT	Soma Techniques III (Practical) (module instructional offering)	36	
			SFP30AT	Soma Techniques III: Facials Practical		
			SSP30AT	Soma Techniques III: Slimming Practical		
			SAP30AT	Soma Techniques III: Aromatherapy Practical		
			SRP30AT	Soma Techniques III: Reflexology Practical		
			SIP30AT	Soma Techniques III: IPL Practical		
			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. Only the hours scheduled 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 (SOP20AT) is a year

instructional offering, and is to be completed in full to allow the student to pass the instructional offering. Students are responsible for their own placement at an accredited salon/clinic, as well as for the necessary travel arrangements.

Work-integrated learning (WIL) will be scheduled for the months of December to February, 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.

Candidates only qualify for the *Comité International d'Esthétique et de Cosmétologie* (CIDESCO) assessment if they:

1. score 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. pass 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 (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 students fail even one of the sections, they will be required to re-register for SMP20AT in its entirety, and would have to pass all sections successfully before they will be permitted to register for SMP30AT.

Students may be refused admission to the assessment if they have been absent from two or more practical classes 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).

As 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.

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences **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 Sciences **or** Physical Sciences 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.

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

Provisionally selected students are subject to a second round of selections after submission of the NSC results. Should a prospective student have forfeited his/her selection, he/she might be considered for the limited number of ECP placements.

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 (DHET), 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 the 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Soma Techniques II
Soma Techniques III
Biotics II
Biotics III
Science II
Anatomy and Physiology II
Nutrition II
Nutrition III

Prerequisite instructional offerings

Soma Techniques I
Soma Techniques II
Biotics I
Biotics II
Science I
Anatomy and Physiology I
Nutrition I
Nutrition II

Socio-psychology II Business Practice II Work-integrated Learning: Soma Techniques Project II	Socio-psychology I Business Practice I Soma Techniques I & II
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21. NATIONAL DIPLOMAS

21.1 NATIONAL DIPLOMA: AGRICULTURAL MANAGEMENT TLNDLB

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	360
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	3 years

Instructional offerings

1 ST YEAR		INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS 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		English Proficiency and		
PRE2B		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 and Operational Techniques I	12	
Total:			132	

2 ND YEAR		INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS 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	SAQA CREDITS	HEMIS CREDITS
Compulsory instructional offerings			
AMN30AT	Agricultural Management III	24	
ENG10AT	Agricultural Engineering I	24	
PBL10AT	Human Resources 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

Upon successful completion of this qualification, the 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 (NSC) 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 Sciences, Economics, Accounting or Physical Sciences.

Applicants in possession of the National Certificate Vocational (NCV) level 4, N4, N5 & N6 qualification:

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

Optional instructional offerings

Instructional offerings are marked with an asterisk (*).

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 2 of this chapter).

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

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

Instructional offerings	Prerequisite instructional offerings
Agricultural Management II	Agricultural Management I
Plant Production II	Plant Production I
Animal Production II	Animal Production I
Computer Applications (Agriculture) II	Computer Skills I
Soil Classification II	Agricultural Soil Science I
Pasture Science I	Grade 12
Agricultural Management III	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

21.2 NATIONAL DIPLOMA: EMERGENCY MEDICAL CARE THNDMC
(No new first-year intake for the National Diploma: Emergency Medical Care as from 2015.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	381
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	3 years

Instructional offerings

1ST YEAR	2ND YEAR	3RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Compulsory instructional offering					
PRE1A PRE2B			English Proficiency and English Proficiency	9	
Main instructional offering					
ANP10CT			Anatomy and 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		

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Module instructional offerings					
EPP11AT			Ethics and Professional Practice I	6	
CLR11AT			Cardiopulmonary Resuscitation	6	
ECPI0AT			Emergency Care of the Adult and Paediatric Patient	12	
OBN12AT			Obstetrics and 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	
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 and Professional Practice II	6	
		CSP31AT	Cardiovascular Support in the Critical Patient	12	
		IAP30AT	Emergency Care of the Ill and Injured Adult and Paediatric Patient	12	
		OBN22AT	Obstetrics and Neonatology II	12	
		TIP32AT	Transportation of the Ill and Injured Patient	6	
Total:				381	

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

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Emergency Care of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to emergency medical care, as approved.

Work-based learning, a component of 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-based 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.

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

Admission requirements

No new first-year intake for the National Diploma: Emergency Medical Care as from 2015.

Optional instructional offerings

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 2 of this chapter).

In all three years of the programme, a student must meet the minimum physical fitness requirements, as specified by the programme, as part of the practical phase of a rescue module.

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 within 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.

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

Instructional offerings

Medical Rescue II

Prerequisite instructional offerings

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 and Physiology I, Basic Sciences I & Emergency Service Technology I
Physiology II	All module instructional offerings for Anatomy and Physiology I & 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 & Emergency Service Communication I
General Pathology I	Pharmacology I & Physiology II
Medical Rescue III	All module instructional offerings for Medical Rescue II & Emergency Medical Care II: Work-integrated Learning
Emergency Service Administration I	Emergency Service Communication I

21.3 NATIONAL DIPLOMA: ENVIRONMENTAL HEALTH THNDEV

(No new first-year intake for the National Diploma: Environmental Health as from 2018. This programme will be phased out.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	375
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	3 years

Instructional offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
ANF10AT			Anatomy and Physiology I	24	
FEC10AT			Physics and Chemistry I	24	
GMO10AT			Community Development I	24	
MBO10BT			Microbiology I	24	
OMB10AT			Environmental Planning I	24	
PRE1A			English Proficiency or	12	
PRE2B			English Proficiency		

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
NMC00FP			Numeracy (module instructional offering)	6	
DLC5011			Basic Digital Literacy (module instructional offering) (Semester 1)	6	
ADC5022			Advanced Digital Literacy (module instructional offering)	6	
PIM5011			Personal Information Management (module instructional offering)	0	
	BGV20AT		Occupational Health and Safety II	24	
	EPI20AT		Epidemiology II	24	
	GMO20AT		Community Development II	24	
	OAW20AT		Environmental Pollution: Waste and Water II	24	
	VVH20AT		Food and Meat Hygiene II	24	
		BGV30AT	Occupational Health and Safety III	24	
		FBS30AT	Management Practice III	30	
		EPI30AT	Epidemiology III	24	
		OLG30AT	Environmental Pollution: Air and Noise III	24	
		VVH30AT	Food and Meat Hygiene III	24	
Total:				375	

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Environmental Health Practitioners of the Health Professions Council of South Africa (HPCSA), 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. Third-level instructional offerings, however, are moderated externally. Practical assessments in the instructional offering Food and 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.

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

As 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 and Meat Hygiene III (VVH30AT), if registered for the instructional offering.

It is also recommended that the student discontinues the following instructional offerings, if registered for those instructional offerings, for the full duration of her pregnancy:

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences and 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 Sciences **and** Physical Sciences, **as well as** a minimum mark of 40% in Mathematics, 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 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Food and Meat Hygiene II
Environmental Pollution: Waste and Water II
Epidemiology II
Occupational Health and Safety II

Prerequisite instructional offerings

Microbiology I
Environmental Planning I
Microbiology I
Physics and Chemistry I **or**
Anatomy and Physiology I

Community Development II	Community Development I
Food and Meat Hygiene III	Food and Meat Hygiene II
Environmental Pollution: Air and Noise III	Environmental Pollution: Waste and Water II
Epidemiology III	Epidemiology II
Occupational Health and Safety III	Occupational Health and Safety II
Management Practice III	Community Development II

21.4 NATIONAL DIPLOMA: RADIOGRAPHY (DIAGNOSTIC) TANDDA
NATIONAL DIPLOMA: RADIOGRAPHY (THERAPY) TANDAA
(No new first-year intake for the National Diploma: Radiography (Diagnostic and Therapy) as from 2015.)

This learning programme will be offered in Bloemfontein.

The Bachelor of Radiography in Diagnostics will replace the National Diploma: Radiography (Diagnostic), and no new admissions for the first year will be accepted in 2018.

SAQA CREDITS: 360
MINIMUM CREDITS REQUIRED: 360
HEMIS CREDITS: 3.000
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional offerings

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

1 ST YEAR	2 ND YEAR	3 RD YEAR (specific discipline)	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS 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 with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 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 students per year of study.

Work-based learning, a component of 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-based learning for a specific number of hours, as prescribed by the Professional Board for Radiography and Clinical Technology. 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 the 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. As 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.

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences 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 Sciences and Physical Sciences, 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Radiographic Practice II (D), (T) &
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 & Physics and Chemistry)
Anatomy I, Physiology I &
Radiographic Pathology I

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

21.5 NATIONAL DIPLOMA: SOMATOLOGY THNDGI

(No new first-year intake for the National Diploma: Somatology as from 2017. This programme will be phased out.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	369
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	3 years

Instructional offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
SOM10AT			Soma Techniques I (main instructional offering)	0	
SMT10AT			Soma Techniques I (Theory) (module instructional offering)	24	
SFT10AT			Soma Techniques I: Facials Theory		
SPT10AT			Soma Techniques I: Manicures Theory		
SMP10AT			Soma Techniques I (Practical) (module instructional offering)	24	
SFP10AT			Soma Techniques I: Facials Practical		
SPP10AT			Soma Techniques I: Manicures Practical		
SWP10AT			Soma Techniques I: Swedish Practical		
SXP10AT			Soma Techniques I: Wax Practical		
SMR12AT			Computer Skills I (module instructional offering)	6	
EST10BT			Aesthetics I	12	
BTK10AT			Biotics I	6	
WSP10AT			Science I (Theory and Practical)	12	
AFH0CT			Anatomy and Physiology I	18	
CCS10AT			Communication Skills I	6	
VDN10AT			Nutrition I	6	
PRE1A PRE2B			English Proficiency and English Proficiency	9	

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
	SOM20AT		Soma Techniques II (main instructional offering)	0	
	SMT20AT		Soma Techniques II (Theory) (module instructional offering)	24	
	SFT20AT		Soma Techniques II: Facials Theory		
	SST20AT		Soma Techniques II: Slimming Theory		
	SAT20AT		Soma Techniques II: Aromatherapy Theory		
	SRT20AT		Soma Techniques II: Reflexology Theory		
	SLT20AT		Soma Techniques II: Manual Lymph Drainage (MLD) Theory		
	SDT20AT		Soma Techniques II: Diathermy Theory		
	SMP20AT		Soma Techniques II (Practical) (module instructional offering)	36	
	SFP20AT		Soma Techniques II: Facials Practical		
	SSP20AT		Soma Techniques II: Slimming Practical		
	SAP20AT		Soma Techniques II: Aromatherapy Practical		
	SRP20AT		Soma Techniques II: Reflexology Practical		
	SLP20AT		Soma Techniques II: MLD Practical		
	SDP20AT		Soma Techniques II: Diathermy Practical		
	BTK20AT		Biotics II	6	
	WSP20AT		Science II (Theory and Practical)	12	
	AFG20BT		Anatomy and 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	
		SFT30AT	Soma Techniques III: Facials Theory		
		SST30AT	Soma Techniques III: Slimming Theory		
		SAT30AT	Soma Techniques III: Aromatherapy Theory		
		SRT30AT	Soma Techniques III: Reflexology Theory		
		SIT30AT	Soma Techniques III: IPL Theory		
		SCT30AT	Soma Techniques III: Aromatherapy Chemistry Theory		
		SMP30AT	Soma Techniques III (Practical) (module instructional offering)	36	
		SFP30AT	Soma Techniques III: Facials Practical		
		SSP30AT	Soma Techniques III: Slimming Practical		
		SAP30AT	Soma Techniques III: Aromatherapy Practical		
		SRP30AT	Soma Techniques III: Reflexology Practical		
		SIP30AT	Soma Techniques III: IPL Practical		

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
		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 third year of study, the student must complete 300 hours of work-integrated learning in one or more accredited salons. Only the hours scheduled 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 (SOP20AT) 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, for applicable and beneficial exposure at salons 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.

Candidates only qualify for the *Comité International d'Esthétique et de Cosmétologie* (CIDESCO) assessment if they:

1. achieve 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. pass 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 (Facials, Slimming, Aromatherapy, Reflexology, Manual Lymph Drainage (MLD) and Diathermy), the student must obtain at least 50% in each separate section in order to pass SMP20AT. Should students fail even one of the sections, they will be required to re-register for SMP20AT in its entirety, and pass all sections successfully before they will be permitted to register for SMP30AT.

Students may be refused admission to the assessment if they have been absent from two or more 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).

As 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.

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

Admission requirements

A National Senior Certificate (NSC) 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 Sciences **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 Sciences **or** Physical Sciences 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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Soma Techniques II
Soma Techniques III
Biotics II
Biotics III
Science II
Anatomy and Physiology II

Prerequisite instructional offerings

Soma Techniques I
Soma Techniques II
Biotics I
Biotics II
Science I
Anatomy and 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

22. DIPLOMAS

22.1 DIPLOMA IN BIOMEDICAL TECHNOLOGY DBIOMT

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	361
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	3 years

Instructional offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
ANF11BT			Anatomy and Physiology I	12	
IGT11AT			Introduction to Medical Technology	10	
CHB11CT			Chemistry I	12	
BST11AT			Calculations and Statistics	12	
FSK11BT			Physics I	12	
PRE1A			English Proficiency and English Proficiency	9	
PRE2B					
ANF12BT			Anatomy and 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 with his/her studies, the student must register with the Professional Board for Medical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to medical technology, as approved. All students must be immunised against Hepatitis B.

Work-integrated learning takes place only at approved, accredited laboratories identified by CUT and the Professional Board for Medical Technology. A student with outstanding exit-level subjects may not be eligible for work-integrated learning placement.

Upon successful completion of this qualification, the Diploma will be awarded during an official graduation ceremony of CUT.

Chemical and Biological agents to which students could be exposed during the practical component of the learning programme may be detrimental to the health of a fetus. Any female student who suspects she may be pregnant must immediately notify the relevant Head of Department of the pregnancy, and the student must discontinue her studies for the full duration of her pregnancy.

Admission requirements

A National Senior Certificate (NSC) 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 Sciences 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 both Life Sciences and Physical Sciences, as well as a minimum mark of 50% in both Mathematics and English, is required.

A candidate must successfully complete the selection process for admission to this learning programme. A candidate is required to submit proof of job shadowing at an accredited diagnostic laboratory.

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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

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

Instructional offerings

Anatomy and 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

Prerequisite instructional offerings

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

22.2 DIPLOMA IN CLINICAL TECHNOLOGY DCLINT

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 360
MINIMUM CREDITS REQUIRED: 360
HEMIS CREDITS: 3.000
NQF LEVEL: 6
DURATION OF LEARNING PROGRAMME: 3 years

Instructional offerings

1 ST YEAR	2 ND YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
ANA10AT		Anatomy I	30	
FSL10AT		Physiology I	30	
FSK11BT		Physics I	12	
CHB11CT		Chemistry I	12	
BST11AT		Calculations and Statistics I	12	
PSI12AT		Psychodynamics I	15	
PRE1A PRE2B		English Proficiency and English Proficiency	9	

1 ST YEAR	2 ND YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
	AFI20CT	Anatomy and Physiology II	27	
	RTP12AT	Computer Application I	6	
	BAP20AT	Biomedical Apparatus and Procedures I	30	
	OSP20AT	Organ and System Pathophysiology II	30	
	FAR20AT	Pharmacology II	27	
Total:			240	

3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Any ONE of the seven options below.			
Work-integrated Learning: Cardiology			
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	
Work-integrated Learning: Nephrology			
TPH30AT	Work-integrated Learning: Nephrology: Clinical Technology III	40	
BMN30CT	Work-integrated Learning: Nephrology: Biomedical Apparatus III	40	
CNN30BT	Work-integrated Learning: Nephrology: Clinical Practice III	40	
Work-integrated Learning: Neurophysiology			
TPN30AT	Work-integrated Learning: Neurophysiology: Clinical Technology III	40	
BME30CT	Work-integrated Learning: Neurophysiology: Biomedical Apparatus III	40	
CNO30BT	Work-integrated Learning: Neurophysiology: Clinical Practice III	40	
Work-integrated Learning: Pulmonology			
TPU30AT	Work-integrated Learning: Pulmonology: Clinical Technology III	40	
BMP30CT	Work-integrated Learning: Pulmonology: Biomedical Apparatus III	40	
CNP30BT	Work-integrated Learning: Pulmonology: Clinical Practice III	40	
Work-integrated Learning: Critical Care			
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: Clinical Practice III	40	
Work-integrated Learning: Reproductive Biology			
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: Clinical Practice III	40	
Work-integrated Learning: Perfusion			
PTP30AT	Work-integrated Learning: Perfusion: Clinical Technology III	40	
PBA30BT	Work-integrated Learning: Perfusion: Biomedical Apparatus III	40	
CNF30BT	Work-integrated Learning: Perfusion: Clinical Practice III	40	
Total:			120

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 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, in collaboration with CUT and the employer. The student must comply with 1 800 hours for the year, set as the minimum requirement by the HPCSA.

Upon successful completion of this qualification, the Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

A National Senior Certificate (NSC) 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 Sciences 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 Sciences **and** Physical Sciences, **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 2 of this chapter).

The Academic Literacy and Communication Studies programme 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 re-register for instructional offering A in a subsequent semester.

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

Instructional offerings

Anatomy and Physiology II
Organ and System Pathophysiology II
Pharmacology II

Prerequisite instructional offerings

Anatomy I and Physiology I
Anatomy I and Physiology I
Anatomy I and Physiology I

A student must successfully complete all his/her first- and second-year instructional offerings in order to obtain admission to Work-integrated Learning in the third-year.

22.3 DIPLOMA IN SOMATOLOGY DP_SOM

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	360
MINIMUM CREDITS REQUIRED:	372
HEMIS CREDITS:	3.000
NQF LEVEL:	6
DURATION OF LEARNING PROGRAMME:	3 years

Instructional offerings

1 ST YEAR		INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
SEMESTER 1	SEMESTER 2			
LCS5011	LCS5012	Academic Literacy and Communication Studies	12	
AEP115E	AEP125E	Aesthetic Practices I	10	
ANP115E	ANP125E	Anatomy and Physiology I	20	
DLC5011		Basic Digital Literacy	6	
BUS115E		Business Management I	10	
HYG115E	HYG125E	Microbial Hygiene I	5	
	NMR5012	Numeracy	6	
SCI115E	SCI125E	Science I	10	
SOB115E	SOB125E	Somatic Therapy Body I	25	
SOF115E	SOF125E	Somatic Therapy Face I	25	
Total:			129	

2 ND YEAR		INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
SEMESTER 1	SEMESTER 2			
AEP216E	AEP226E	Aesthetic Practices II	5	
ANP216E	ANP226E	Anatomy and Physiology II	20	
BUS216E	BUS226E	Business Management II	10	
CAR216E	CAR226E	Complimentary Therapies I	15	
SCI216E	SCI226E	Science II	10	
SOB216E	SOB226E	Somatic Therapy Body II	20	
SOF216E	SOF226E	Somatic Therapy Face II	20	
SOP116E	SOP126E	Socio-psychology I	8	
SOM116W	SOM126W	Somatology Work-integrated Learning I	15	
Total:			123	

3 RD YEAR		INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
SEMESTER 1	SEMESTER 2			
AEP316E	AEP326E	Aesthetic Practices III	5	
BPH116E	BPH126E	Basic Pharmacology I	10	
BUS316E	BUS326E	Business Management III	10	
CAR316E	CAR326E	Complementary Therapies II	15	
SOB316E	SOB326E	Somatic Therapy Body III	15	
SOF316E	SOF326E	Somatic Therapy Face III	20	
SOM216W	SOM226W	Somatology Work-integrated Learning II	45	
Total:			120	

REMARKS

Students are required to obtain an internationally recognised CIDESCO diploma at the end of their third year of study.

In the third year of study, the student must complete 300 hours of work-integrated learning in one or more accredited salons, spas, aesthetic practices or slimming clinics. Only the hours scheduled 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 employer/manager, and those hours are not taken into account in the accumulation of the required 300 hours. Somatology Work-integrated Learning II (SOM216W) is a year instructional offering, and is to be completed in full to allow the student to pass and graduate. A student is responsible for her own placement at an accredited salon, spa or clinic. This includes the necessary travel and accommodation arrangements.

Somatology Work-integrated Learning II (SOM216W) will be scheduled for the months of December to February, for applicable and beneficial exposure to practice in the Somatology industry.

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

Candidates only qualify for the *Comité International d'Esthétique et de Cosmétologie* (CIDESCO) assessment if they:

1. achieve a minimum of 60% in both the theoretical and practical components of the instructional offerings Soma Techniques III (SOM30AT) in the first three quarters; and
2. pass all first-year and second-year instructional offerings of the Diploma: Somatology.

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

For example: SMP20 consists of THEORY and PRACTICAL, comprising Facials, Slimming, Aromatherapy, Reflexology, Manual Lymph Drainage and Diathermy. The student must obtain 50% in each separate section in order to pass SMP20AT. Should a student fail even one of the sections, they will have to re-register for SMP20AT in its entirety, and pass all sections successfully before they will be permitted to register for SMP30AT.

Students may be refused admission to the assessment if they have been absent from two or more practical periods in a term. This rule is applicable to each separate practical section.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 2 of this chapter).

Academic Literacy and Communication Studies, Basic Digital Literacy, and Numeracy require 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 re-register for instructional offering A in a subsequent semester.

No student will be allowed to graduate without completing the Academic Literacy and Communication Studies, Basic Digital Literacy, and Numeracy programmes.

Instructional offerings

Somatic Therapy Face II (Semester 1 & 2)

Somatic Therapy Body II (Semester 1 & 2)

Somatic Therapy Face III (Semester 1 & 2)

Somatic Therapy Body III (Semester 1 & 2)

Science II (Semester 1 & 2)

Business Management II (Semester 1 & 2)

Business Management III (Semester 1 & 2)

Aesthetic Practices II (Semester 1 & 2)

Aesthetic Practices III (Semester 1 & 2)

Anatomy and Physiology II (Semester 1 & 2)

Complementary Therapies II (Semester 1 & 2)

Somatology Work-integrated Learning I
(Semester 1 & 2)

Somatology Work-integrated Learning II
(Semester 1 & 2)

Prerequisite instructional offerings

Somatic Therapy Face I (Semester 1 & 2) &
Somatic Therapy Body I (Semester 1 & 2)

Somatic Therapy Face I (Semester 1 & 2) &
Somatic Therapy Body I (Semester 1 & 2)

Somatic Therapy Face II (Semester 1 & 2) &
Somatic Therapy Body II (Semester 1 & 2)

Somatic Therapy Face II (Semester 1 & 2) &
Somatic Therapy Body II (Semester 1 & 2)

Science I (Semester I & 2)

Business Management I (Semester 1)

Business Management II (Semester 1 & 2)

Aesthetic Practices I (Semester 1 & 2)

Aesthetic Practices II (Semester 1 & 2)

Anatomy and Physiology I (Semester 1 & 2)

Complementary Therapies I
(Semester 1 & 2)

Somatic Therapy Face I (Semester 1 & 2)

Somatic Therapy Body I (Semester 1 & 2)

Aesthetic Practices I (Semester 1 & 2)

Somatic Therapy Face II (Semester 1 & 2)

Somatic Therapy Body II (Semester 1 & 2)

Aesthetic Practices II (Semester 1 & 2)

Complementary Therapies II
(Semester 1 & 2)

Somatology Work-integrated Learning I
(Semester 1 & 2)

23. ADVANCED DIPLOMA

23.1 ADVANCED DIPLOMA IN AGRICULTURAL EXTENSION TLADAE

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	120
HEMIS CREDITS:	1.000
NQF LEVEL:	7
DURATION OF LEARNING PROGRAMME:	1 year

Instructional offerings

1 ST YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Compulsory instructional offerings			
AEE7000	Agricultural Economics for Extension	24	
BCI7000	Behaviour Change and Intervention in Extension	18	
APA7000	Extension and Advisory Principles and Approaches	24	
LGN7000	Leadership, Group Dynamics and Networking in Extension	18	
PPI7000	Project Planning, Implementation and Evaluation in Extension	18	
Optional instructional offerings			
APR7000	*Animal Production	18	
PPR7000	*Plant Production	18	
Total:		120	

REMARKS

Upon successful completion of this qualification, the Advanced Diploma will be awarded during an official graduation ceremony of CUT.

Admission requirements

A National Diploma: Agricultural Management or equivalent Agricultural 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 2 of this chapter).

24. BACCALAUREUS TECHNOLOGIAE DEGREES

24.1 BACCALAUREUS TECHNOLOGIAE: AGRICULTURAL MANAGEMENT TLBTLA

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	120
HEMIS CREDITS:	1.000
NQF LEVEL:	7
DURATION OF LEARNING PROGRAMME:	1 year

Instructional offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS 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 Baccalaureus Technologiae: Agricultural Management is offered on a full-time (one year) or part-time block basis (two years).

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

Admission requirements

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

Prospective students may be subject to a selection process.

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 2 of this chapter).

Instructional offerings	Prerequisite instructional offerings
Financial Management: Agriculture IV Strategic Management: Agriculture IV Animal Production IV Plant Production IV Leadership Development II	Agricultural Management III or similar Agricultural Management III or similar Animal Production III or similar Plant Production III or similar Human Resources Management: Agriculture I or similar

24.2 BACCALAUREUS TECHNOLOGIAE: BIOMEDICAL TECHNOLOGY TABTBH

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	120
HEMIS CREDITS:	1.000
NQF LEVEL:	7
DURATION OF LEARNING PROGRAMME:	1 year full-time or 2 years part-time

Instructional offerings

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

The fourth academic year is 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 fourth-level instructional offerings, as indicated. A compulsory research project must preferably be completed during the year in which ONE of the fourth-level instructional offerings is selected. If this is not feasible, the student must complete the research project within three years after completing the fourth-level 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, as 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.

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

Admission requirements

A 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 2 of this chapter).

Instructional offerings

Compulsory research project, or simultaneously with Research Methods and Techniques

Prerequisite instructional offerings

Research Methods and Techniques

24.3 BACCALAUREUS TECHNOLOGIAE: CLINICAL TECHNOLOGY TABTNI

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	120
HEMIS CREDITS:	1.000
NQF LEVEL:	7
DURATION OF LEARNING PROGRAMME:	1 year

Instructional offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Compulsory instructional offerings			
BGS11AT	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:			
Cardiology IV			
KAR40AT	Work-integrated Learning: Cardiology IV (main instructional offering)		
KDP40AT	Cardiology IV Project (module instructional offering)	42	
KDT40AT	Cardiology IV Theory/Practical (module instructional offering)	42	
Critical Care IV			
KRI40AT	Work-integrated Learning: Critical Care IV (main instructional offering)		
KIT40AT	Critical Care IV Project (module instructional offering)	42	
KIP40AT	Critical Care IV Theory/Practical (module instructional offering)	42	

4TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Nephrology IV			
NEF40AT	Work-integrated Learning: Nephrology IV (main instructional offering)		
NFP40AT	Nephrology IV Project (module instructional offering)	42	
NFT40AT	Nephrology IV Theory/Practical (module instructional offering)	42	
Neurophysiology IV			
NEU40AT	Work-integrated Learning: Neurophysiology IV (main instructional offering)		
NGP40AT	Neurophysiology IV Project (module instructional offering)	42	
NGT40AT	Neurophysiology IV Theory/Practical (module instructional offering)	42	
Perfusion IV			
PER40AT	Work-integrated Learning: Perfusion IV (main instructional offering)		
RFP40AT	Perfusion IV Project (module instructional offering)	42	
RFT40AT	Perfusion IV Theory/Practical (module instructional offering)	42	
Reproductive Biology IV			
REP40AT	Work-integrated Learning: Reproductive Biology IV (main instructional offering)		
RBP40AT	Reproductive Biology IV Project (module instructional offering)	42	
RBT40AT	Reproductive Biology IV Theory/Practical (module instructional offering)	42	
Pulmonology IV			
PUL40AT	Work-integrated Learning: Pulmonology IV (main instructional offering)		
PYP40AT	Pulmonology IV Project (module instructional offering)	42	
PYT40AT	Pulmonology IV Theory/Practical (module instructional offering)	42	
Total:		120	

The fourth academic year is 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 with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to clinical technology, as approved.

Instructional offerings at fourth-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, in collaboration with CUT and the employer. The student must comply with 1 800 hours for the year, set as the minimum requirement by the HPCSA.

A compulsory research project in a fourth-level instructional offering must be completed. The student must ensure that he/she has met the requirements with regard to ethical clearance, as failure to do so may prevent the assessment of the research protocol and thesis. The internal supervisor of the project must

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

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

Admission requirements

A 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 2 of this chapter).

Instructional offering

Prerequisite instructional offering

Fourth-level instructional offerings

Pharmacology II

24.4 BACCALAUREUS TECHNOLOGIAE: ENVIRONMENTAL HEALTH THBTEM

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 120
MINIMUM CREDITS REQUIRED: 120
HEMIS CREDITS: 1.000
NQF LEVEL: 7
DURATION OF LEARNING PROGRAMME: 1 year

Instructional offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
Compulsory instructional offerings			
NMD10AT	Research Methodology I	30	
FBS40AT	Management Practice IV	30	
Optional instructional offerings Any two of the following:			
VDH40BT	Food Hygiene IV	30	
BGV40AT	Occupational Health and 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 with his/her studies, the student must register with the Professional Board for Environmental Health Practitioners of the Health Professions Council of South Africa (HPCSA), as stipulated in *Government Gazette R1869*, dated 79.08.24.

Instructional offerings at all levels are assessed internally by CUT. Fourth-level 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.

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

As 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

A National Diploma: Environmental Health or equivalent qualification, with a minimum average mark of 60% for the qualification, or at least 60% for the prerequisite main module.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 2 of this chapter).

All prospective students will be subject to a selection process.

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

**24.5 BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY (DIAGNOSTIC) TABTDC
BACCALAUREUS TECHNOLOGIAE: RADIOGRAPHY (THERAPY) TABTOT**
(Only students currently enrolled in the National Diploma: Radiography (Diagnostic) programme will be enrolled in the BTech as from 2017.)

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	120
HEMIS CREDITS:	1.000
NQF LEVEL:	7
DURATION OF LEARNING PROGRAMME:	1 year full-time or 2 years part-time

Instructional offerings

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

The fourth academic year is 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 with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 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.

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

Admission requirements

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

An 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 fourth-level instructional offering must be completed. A written research proposal must reach the relevant Head of Department before the end of March of the year in which the fourth-level 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 2 of this chapter).

24.6 BACCALAUREUS TECHNOLOGIAE: SOMATOLOGY THBTLO

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	120
MINIMUM CREDITS REQUIRED:	120
HEMIS CREDITS:	1.000
NQF LEVEL:	7
DURATION OF LEARNING PROGRAMME:	1 year full-time or 2 years part-time

Instructional offerings

4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS 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 is 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.

A compulsory research project in a fourth-level instructional offering must be completed. A written research proposal must reach the relevant 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, as failure to do so may prevent the assessment of the research protocol and thesis.

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

Admission requirements

Two years of industry experience, or a minimum of 27 points on CUT scoring scale for the National Senior Certificate (NSC) or equivalent qualification.

A 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 2 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

25. BACHELOR'S DEGREE: EXTENDED CURRICULUM PROGRAMME (ECP)

25.1 BACHELOR OF RADIOGRAPHY IN DIAGNOSTICS (ECP) EXBCDR

This learning programme will be offered in Bloemfontein.

SAQA CREDITS:	480
MINIMUM CREDITS REQUIRED:	600
HEMIS CREDITS:	4.000
NQF LEVEL:	8
DURATION OF LEARNING PROGRAMME:	5 years

Instructional offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
ANA00FP			Anatomy	12	
PHY00FP			Physiology	12	
CHM00FP			Chemistry	6	
FIS00FP			Physics	6	
WIS00FP			Mathematics	6	
LCS5001			Academic Literacy and Communication Studies (module instructional offering)	12	
NMC00FP			Numeracy (module instructional offering)	6	
DLC5011			Basic Digital Literacy (module instructional offering)	6	
ADC5022			Advanced Digital Literacy (module instructional offering) (Semester 2)	6	
PIM5011			Personal Information Management (module instructional offering)	0	
	ANA5001		Anatomy and Physiology I	24	
	PCM5011		Patient Care Management I	12	
	PTH5022		Pathology I	12	
	STF5000		Radiation Physics I	24	
	RDP5000		Radiographic Procedures I	12	
	RCP5000		Research Principles I	12	
		ANR6000	Anatomy and Physiology II	24	
		IMT6000	Imaging Technology II	12	
		PCM6000	Patient Care Management II	12	
		PTH6000	Pathology II	12	
		STF6000	Radiation Physics II	12	
		RAD6000	Radiographic Practice II	24	
		RDP6000	Radiographic Procedures II	24	
		RCP6000	Research Principles II	12	

4 TH YEAR	5 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
		IMT7000 Imaging Technology III	12	
		PCM7000 Patient Care Management III	12	
		PTH7000 Pathology III	12	
		STF7000 Radiation Physics III	12	
		RAD7000 Radiographic Practice III	24	
		RDP7000 Radiographic Procedures III	24	
		RCP7000 Research Principles III	12	
		SPR7000 Anatomy and Physiology III	24	
	PCM8000	Patient Care Management IV	12	
	PTH8000	Pathology IV	12	
	STF8000	Radiation Physics IV	12	
	RAD8000	Radiographic Practice IV	18	
	RDP8000	Radiographic Procedures IV	18	
	RCP8000	Research Principles IV	12	
	SPR8000	Anatomy and Physiology IV	12	
Optional instructional offerings:				
Candidates select one of the following subjects in SEMESTER 1:				
	PRP8011	Project Management Process IV	12	
	CNP8011	Microbiology and Cannulisation (IV)	12	
Optional instructional offerings:				
Candidates select one of the following subjects in SEMESTER 2:				
	ENT42AB	Entrepreneurship IV	12	
	PCC8022	Person-centred Care IV	12	
Total:			600	

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to radiography, as approved.

Workplace learning, a component of 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 workplace learning for a specific number of hours, as prescribed by the Professional Board for Radiography and Clinical Technology.

The required work-integrated learning in the programme makes it practically impossible for a student to take instructional offerings on two academic levels in a single academic year. A student who fails will thus be assessed on an individual basis in respect of continuation of studies.

A student cannot progress to the next level if all prerequisites for the work-integrated learning component of the programme are not successfully attained (e.g. continuous assessment rubrics and portfolios).

Assessment: Formative and summative assessment.

Work-integrated Learning: Radiographic Procedures I, II, III & IV (Diagnostic) are assessed at CUT and in clinical practices on a continuous basis. 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. As students are exposed to radiation during the practical component of the learning programme, **a female student is not permitted to complete the theoretical and 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.**

Upon successful completion of this qualification, a Bachelor of Radiography in Diagnostics Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

A National Senior Certificate (NSC) or equivalent qualification.

A minimum of 30 points on the M-scale.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 60% on standard grade or 50% on higher grade in all three of the following subjects is required: Biology/Physiology, Physical Sciences and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

The candidate must be in possession of the NSC with endorsement for a bachelor's degree. In addition to the general admission requirements, a minimum pass mark of level 3 (40% – 49%) in Life Orientation and level 4 pass (50% – 59%) in Life Sciences, Physical Sciences and Mathematics is required. A minimum admission points score (APS) of 30 points on the CUT scale of notation is required.

A candidate must successfully complete the selection process for admission to this learning programme. Provisionally selected students are subject to a second round of selection after submission of the NSC results. Should a prospective student have forfeited his/her selection, he/she might be considered for the limited number of ECP placements.

All instructional offerings are compulsory.

PREREQUISITES

Considering that the ECP is subject to additional funding being made available by the Department of Higher Education and Training (DHET), 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 2 of this chapter).

In addition to the radiography-related offerings in the programme, the following offerings, as prescribed by the University, are also compulsory: Personal Information Management, Academic Literacy and Communication Studies, Basic and Advanced Digital Literacy, and Success Skills.

No student will be allowed to graduate without successfully completing the above-mentioned instructional offerings.

Instructional offerings

Anatomy and Physiology II
 Imaging Technology III
 Pathology II
 Pathology III
 Patient Care and Management II
 Patient Care and Management III
 Patient Care and Management IV
 Radiation Physics II
 Radiation Physics III
 Radiation Physics IV
 Radiographic Practice II
 Radiographic Practice III
 Radiographic Practice IV
 Radiographic Procedures II
 Radiographic Procedures III
 Radiographic Procedures IV
 Research Principles II
 Anatomy and Physiology III
 Anatomy and Physiology IV
 Professional Practice of Radiography IV

Prerequisite instructional offerings

Anatomy I
 Imaging Technology II
 Pathology I
 Pathology II
 Patient Care and Management I
 Patient Care and Management II
 Patient Care and Management III
 Radiation Physics I
 Radiation Physics II
 Radiation Physics III
 Radiographic Procedures I
 Radiographic Practice II
 Radiographic Practice III
 Radiographic Procedures I
 Radiographic Procedures II
 Pathology III; Radiographic Procedures III
 Research Principles I
 Anatomy and Physiology II
 Anatomy and Physiology III

26. BACHELOR'S DEGREE

26.1 BACHELOR OF RADIOGRAPHY IN DIAGNOSTICS HCBCRD

This learning programme will be offered in Bloemfontein.

SAQA CREDITS: 480
MINIMUM CREDITS REQUIRED: 504
HEMIS CREDITS: 4.000
NQF LEVEL: 8
DURATION OF LEARNING PROGRAMME: 4 years

Instructional offerings

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
				Academic Literacy and Communication Studies	12	
				Advanced Digital Literacy	6	
				Anatomy and Physiology I	24	
				Basic Digital Literacy	6	
				Patient Care Management I	12	
				Pathology I	12	
				Personal Information Management	0	
				Radiation Physics I	24	
				Radiographic Procedures I	12	
				Research Principles I	12	
	ANR6000			Anatomy and Physiology II	24	
	IMT6000			Imaging Technology II	12	
	PCM6000			Patient Care Management II	12	
	PTH6000			Pathology II	12	
	STF6000			Radiation Physics II	12	
	RAD6000			Radiographic Practice II	24	
	RDP6000			Radiographic Procedures II	24	
	RCP6000			Research Principles II	12	
		IMT7000		Imaging Technology III	12	
		PCM7000		Patient Care Management III	12	
		PTH7000		Pathology III	12	
		STF7000		Radiation Physics III	12	
		RAD7000		Radiographic Practice III	24	
		RDP7000		Radiographic Procedures III	24	
		RCP7000		Research Principles III	12	
		SPR7000		Anatomy and Physiology III	24	

1 ST YEAR	2 ND YEAR	3 RD YEAR	4 TH YEAR	INSTRUCTIONAL OFFERINGS	SAQA CREDITS	HEMIS CREDITS
			PCM8000	Patient Care Management IV	12	
			STF8000	Radiation Physics IV	12	
			RAD8000	Radiographic Practice IV	18	
			RDP8000	Radiographic Procedures IV	18	
			RCP8000	Research Principles IV	12	
			SPR8000	Anatomy and Physiology IV	12	
			PTH8000	Pathology IV	12	
Optional instructional offerings:						
Candidates select one of the following subjects in SEMESTER 1:						
			PRP8011	Project Management Process IV	12	
			CNP8011	Microbiology and Cannulisation IV	12	
Optional instructional offerings:						
Candidates select one of the following subjects in SEMESTER 2:						
			ENT42AB	Entrepreneurship IV	12	
			PCC8022	Person-centred Care IV	12	
Total:					504	

REMARKS

Upon commencing with his/her studies, the student must register with the Professional Board for Radiography and Clinical Technology of the Health Professions Council of South Africa (HPCSA) in terms of the rules and regulations of the Medical, Dental and Supplementary Health Services Professions Act (Act No. 56 of 1974), and the subsequent amendments pertaining to radiography, as approved.

Workplace learning, a component of 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 workplace learning for a specific number of hours, as prescribed by the Professional Board for Radiography and Clinical Technology. **The required work-integrated learning in the programme makes it practically impossible for a student to take instructional offerings on two academic levels in a single academic year. A student who fails will thus be assessed on an individual basis in respect of continuation of studies.**

A student cannot progress to the next level if all prerequisites for the work-integrated learning component of the programme are not successfully attained (e.g. continuous assessment rubrics and portfolios).

Assessment: Formative and summative assessment.

Work-integrated Learning: Radiographic Procedures I, II, III & IV (Diagnostic) are assessed at CUT and in clinical practices on a continuous basis. 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. As students are exposed to radiation during the practical component of the learning programme, **a female student is not permitted to complete the theoretical and 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.**

Upon successful completion of this qualification, a Bachelor of Radiography in Diagnostics Degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

A National Senior Certificate (NSC) or equivalent qualification.
A minimum of 30 points on the M-scale.

For candidates who matriculated in 2007 or before:

In addition to the general admission requirements, a minimum mark of 60% on standard grade or 50% on higher grade in all three of the following subjects is required: Biology/Physiology, Physical Sciences and Mathematics.

For candidates who completed the NSC in 2008 and thereafter:

The candidate must be in possession of the NSC with endorsement for a bachelor's degree. In addition to the general admission requirements, a minimum pass mark of level 3 (40% – 49%) in Life Orientation and level 4 (50% – 59%) in Life Sciences, Physical Sciences and Mathematics is required. A minimum admission points score (APS) of 30 points on the CUT scale of notation 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.

All instructional offerings are compulsory.

PREREQUISITES

Refer to paragraph 1 under the heading “Admission to a higher level of study” (point 2 of this chapter).

In addition to the radiography-related offerings in the programme, the following offerings, as prescribed by the University, are also compulsory: Personal Information Management, Academic Literacy and Communication Studies, Basic and Advanced Digital Literacy, and Success Skills. **No student will be allowed to graduate without successfully completing the above-mentioned instructional offerings.**

Instructional offerings

Anatomy and Physiology II
Imaging Technology III
Pathology II
Pathology III

Prerequisite instructional offerings

Anatomy I
Imaging Technology II
Pathology I
Pathology II

Patient Care and Management II	Patient Care and Management I
Patient Care and Management III	Patient Care and Management II
Patient Care and Management IV	Patient Care and Management III
Radiation Physics II	Radiation Physics I
Radiation Physics III	Radiation Physics II
Radiation Physics IV	Radiation Physics III
Radiographic Practice II	Radiographic Procedures I
Radiographic Practice III	Radiographic Practice II
Radiographic Practice IV	Radiographic Practice III
Radiographic Procedures II	Radiographic Procedures I
Radiographic Procedures III	Radiographic Procedures II
Radiographic Procedures IV	Pathology III, Radiographic Procedures III
Research Principles II	Research Principles I
Anatomy and Physiology III	Anatomy and Physiology II
Anatomy and Physiology IV	Anatomy and Physiology III
Professional Practice of Radiography IV	

27. *MAGISTER TECHNOLOGIAE DEGREES*

These learning programmes will be offered in Bloemfontein.

SAQA CREDITS: 120

HEMIS CREDITS: 1.000

NQF LEVEL: 9

PROGRAMME CODE	MAGISTER TECHNOLOGIAE	MAIN CODE	INSTRUCTIONAL OFFERINGS
ILMTLM	Agriculture NO INTAKE IN 2018	THE50AI	Dissertation
TAMTTY	Biomedical Technology NO INTAKE IN 2018	THE50AT	Dissertation
TAMTNG	Clinical Technology NO INTAKE IN 2018	DEL50AT	Dissertation
THMTGH	Environmental Health NO INTAKE IN 2018	VER50AT	Dissertation
TAMTDO	Radiography (Diagnostic) NO INTAKE IN 2018	THS50AT	Dissertation (Diagnostic)
TAMTDO	Radiography (Therapy) NO INTAKE IN 2018	SIS50AT	Dissertation (Therapy)
TAMTDO	Radiography (Nuclear Medicine) NO INTAKE IN 2018	HAN50AT	Dissertation (Nuclear Medicine)
THMTSO	Somatology NO INTAKE IN 2018	TSS50AT	Dissertation

REMARKS

A Magister Technologiae degree is only awarded upon completion of an approved research project, and upon submission of a dissertation.

Prospective students may be subject to a selection process.

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

Admission requirements

A Baccalaureus Technologiae degree or equivalent qualification.

28. MASTER'S DEGREES

These learning programmes will be offered in Bloemfontein.

SAQA CREDITS: 180

HEMIS CREDITS: 1.000

NQF LEVEL: 9

PROGRAMME CODE	MASTER'S DEGREE	MAIN CODE	INSTRUCTIONAL OFFERINGS
M_AGRI	Master of Agriculture	THE50AI	Dissertation
M_HBIO	Master of Health Sciences in Biomedical Technology	THE50AT	Dissertation
M_HSCT	Master of Health Sciences in Clinical Technology	DEL50AT	Dissertation
M_HSEN	Master of Health Sciences in Environmental Health	VER50AT	Dissertation
M_RADI	Master of Radiography	MRAD900	Dissertation
M_HSOM	Master of Health Sciences in Somatology	TSS50AT	Dissertation

REMARKS

A master's degree is only awarded upon completion of an approved research project, and upon submission of a dissertation.

Prospective students may be subject to a selection process.

Upon successful completion of this qualification, a master's degree will be awarded during an official graduation ceremony of CUT.

Admission requirements

A Baccalaureus Technologiae degree or equivalent qualification.

29. DOCTOR TECHNOLOGIAE DEGREES
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These learning programmes will be offered in Bloemfontein.

SAQA CREDITS: 240
HEMIS CREDITS: 2.000
NQF LEVEL: 10

PROGRAMME CODE	DOCTOR TECHNOLOGIAE	MAIN CODE	INSTRUCTIONAL OFFERINGS
ILDTUL TADTBX	Agriculture Biomedical Technology NO INTAKE IN 2018	GEV90AI GEV90AT	Thesis Thesis
TADTNH THDTHH	Clinical Technology NO INTAKE IN 2018 Environmental Health NO INTAKE IN 2018	GNP90AT NAV90AT	Thesis Thesis
THDTSC	Somatology NO INTAKE IN 2018	VOR90AT	Thesis

REMARKS

A research proposal is to be submitted within six 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 2018, prospective students must submit a protocol.

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

Admission requirements

A Magister Technologiae degree or equivalent qualification.

30. DOCTORATES

These learning programmes will be offered in Bloemfontein.

SAQA CREDITS: 360
HEMIS CREDITS: 2.000
NQF LEVEL: 10

PROGRAMME CODE	DOCTORATE	MAIN CODE	INSTRUCTIONAL OFFERINGS
D_HBIO	Doctor of Health Sciences in Biomedical Technology	GEV90AT	Thesis
D_HSCT	Doctor of Health Sciences in Clinical Technology	GNP90AT	Thesis
D_HSOM	Doctor of Health Sciences in Somatology	VOR90AT	Thesis

REMARKS

A research proposal is to be submitted within six 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 2018, prospective students must submit a protocol.

A minimum of one publication is required before successful completion of the qualification. Upon successful completion of this qualification, a doctorate will be awarded during an official graduation ceremony of CUT.

Admission requirements

A Magister Technologiae degree or equivalent qualification.

31. DOCTOR OF PHILOSOPHY

These learning programmes will be offered in Bloemfontein.

SAQA CREDITS: 360
HEMIS CREDITS: 2.000
NQF LEVEL: 10

PROGRAMME CODE	DOCTORATE	MAIN CODE	INSTRUCTIONAL OFFERING
D_ENVH	Doctor of Philosophy in Environmental Health	NAV90AT	Advanced Research Project and Dissertation

32. POSTDOCTORAL STUDIES

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