

DIPLOMA IN PULP AND PAPER TECHNOLOGY



FACULTY OF
ENGINEERING
& THE BUILT
ENVIRONMENT

DEPARTMENT OF
CHEMICAL
ENGINEERING

01 JAN - 31 DEC 2024

Diploma in Pulp and Paper Technology

NQF Level: 6

SAQA ID: 111384

Qualification Code: DIPPTI

Location: Steve Biko Campus (S4 Level I)

Description of the Programme

Pulp and Paper technology is a specialist field of chemical engineering, which involves the study of the processes required for the conversion of raw materials such as wood, into pulp and paper products.

Pulp and paper products are indispensable in our daily lives; products such as newspapers, toilet tissue, books, boxes, etc. are an essential component of modern civilization and it is impossible to imagine life without them.

A Pulp and paper technologist must have a wide variety of talents. He/she must understand how and why a given process works, in order to set up and operate equipment in the process. A pulp and paper technologist is a creative problem solver, who applies scientific knowledge and technical expertise to ensure that the process runs in the most cost effective and efficient way, and with due regard to safety and the environment.

A person who wants to embark on a career in Pulp and Paper technology must have a basic knowledge of chemistry and physics, and an aptitude for solving problems logically.

The Diploma in Pulp and Paper Technology aims at producing a person who fully understands Pulp and Papermaking processes, and who is competent to work in any production process in a pulp or paper mill. Successful graduates would find employment as process controllers and supervisors; this would obviously depend on the capabilities and performance of the individual.

The Diploma is a 3-year programme consisting of 30 months of theoretical tuition and 6 months of appropriate industrial training.

On completion of the Diploma the graduate may enrol for the Advanced Diploma in Pulp and Paper Technology. This programme is designed to prepare students for positions in technical management or as process technologists. The degree is presently offered on a two-year part time basis for students employed in the industry.

Career opportunities

Process controllers, supervisors, pulp and paper technologist. Once established in the industry, graduates could move into many different aspects of the pulp and paper business.

Explanation of Points scale: SENIOR CERTIFICATE (SC)

SYMBOL	HIGHER GRADE	STANDARD GRADE
A	8	6
B	7	5
C	6	4
D	5	3
E	4	2
F	3	1

NATIONAL SENIOR CERTIFICATE (NSC)

%	LEVEL	POINTS
90-100	7	8
80-89%	7	7
70-79%	6	6
60-69%	5	5
50-59%	4	4
40-49%	3	3
30-39%	2	2
20-29%	1	1

MINIMUM ADMISSION REQUIREMENTS

GENERAL ADMISSION REQUIREMENTS

A person will only be considered for registration for an instructional programme approved by the Institution's Senate if the person complies with:

- The minimum admission requirements stated in DUT general handbook (refer to DUT website for general handbook).
- Institutional faculty, departmental and/or instructional programme specific rules; and

MINIMUM ADMISSION REQUIREMENTS IN TERMS OF THE HIGHER EDUCATION QUALIFICATIONS SUB-FRAMEWORK (HEQSF)

G7 rule: For Diploma:

"a National Senior Certificate (NSC) as certified by the Council for General and Further Education and Training (Umalusi), with a minimum of achievement rating of 3 for English and a minimum achievement rating of 3 in four recognised NSC 20-credit subjects."

Entry Requirements Dip (Pulp & Paper Technology)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		SENIOR CERTIFICATE (SC) (PRE 2009)			NATIONAL CERTIFICATE (VOCATIONAL) (NCV)	
NSC DIPLOMA ENTRY		SENIOR CERTIFICATE (SC) A Senior Certificate with a pass in English or equivalent qualification			(NCV) – LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English	3				English	50%
Mathematics	4	Mathematics	D	B	Mathematics	60%
Physical Science	4	Physical Science	D	B	Physical Science	60%
In addition: TWO recognized NSC 20 credit subjects as state above	3					
					Life Orientation	60%
					In addition, two other additional vocational subjects at a minimum of 60%	

OR

Admission Requirement based upon Work Experience, Age and Maturity

For admission to entry level DIPLOMA and certificate studies:

A person may, subject to such requirements as the Senate may determine, be admitted to the Institution even if such a person is not in a possession of a National Senior Certificate, Senior Certificate, or an equivalent certificate, provided that:

- The person shall have reached the age of 23 in the first year of registration and shall have at least: three years' appropriate work experience; and/or capacity for the proposed instructional programme, which shall be assessed at the discretion of the respective Head of Department by a Senate approved admission assessment comprising of a DUT Standardised Assessment Test for Access and Placement (SATAP), Academic Literacies (Al) & English for Academic Purposes (EAP) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and
- The relevant Faculty Board shall be satisfied that the person's standard of communication skills, ability to study successfully and/or work experience are such that the person, in the opinion of the relevant Faculty Board, should be able to complete the proposed instructional programme successfully. If required, the communication skills and study skills should be tested; and
- The person's application for admission in terms of work experience, age and maturity is approved prior to registration. Applicants intending to gain admission through work experience, age and maturity must submit their applications at least four months before commencement of the academic year inclusive of the date of scheduling writing a requisite eligibility assessment.

Applicants intending to gain admission through work experience, age and maturity must submit their applications at least four months before commencement of the academic year.

Please note that this programme might move to PMB campus during the course of studies

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

Tuition Fees

To assist you with your planning, the **2024** fees have been indicated. An increase for next year to accommodate the inflation rate can be expected.

Please Note: DUT cannot be held liable for the fees in this brochure as the **2025** fees are not yet final

First Year Curriculum

Name of Module	Subject Code	HEQSF Level	SAQA Credits	2024 Fees
Semester One				
Mathematics A	MTTA101	5	12	R4590.00
Chemistry A	CHME101	5	12	R5470.00
Cornerstone 101	CSTN101	5	12	R3740.00
Physics A	PSSA101	5	8	R3840.00
Pulp & Paper Engineering Fundamentals A	PPEF101	5	12	R4590.00
Technical Literacy	TCLT101	5	8	R3180.00
TOTAL				R25410.00
Semester Two				
Mathematics B	MTTB101	5	12	R4590.00
Physics B	PSSB101	5	8	R4590.00
Chemistry B	CHME102	5	12	R5470.00
Pulp and Paper Science I	PANP101	5	12	R4590.00
Pulp & Paper Engineering Fundamentals B	PPEF102	5	12	R4590.00
TOTAL CREDITS SEMESTER 1&2			120	
TOTAL				R23830.00
Second Year Curriculum				
Semester Three				
Computer Applications	CAPP101	5	12	R3700.00
Chemistry C	CHME103	6	12	R5470.00
Physics C	PSSC103	6	8	R4590.00
Pulp & Paper Technology A	PAPT101	6	12	R4590.00
Pulp & Paper Laboratory A	PAPL101	6	8	R5470.00
Unit Operations A	UNIP101	6	12	R4590.00
TOTAL				R28410.00
Semester Four				
Pulp & Paper Technology B	PAPT102	6	12	R4590.00
Pulp & Paper Laboratory B	PAPL102	6	8	R4590.00
Transfer Processes	TRPR101	6	12	R4590.00
Unit Operations B	UNIP102	6	12	R4590.00
Thermodynamics	THER101	6	12	R4590.00
TOTAL CREDITS SEMESTER 3&4			120	
TOTAL				R22950.00
Third Year Curriculum				
Semester Five				
Pulp & Paper Technology C	PAPT103	6	12	R4590.00
Pulp & Paper Laboratory C	PAPL103	6	8	R4590.00
Principles of Management A	PRIN101	7	8	R3170.00
Process Instrumentation & Control	PROS101	6	12	R4590.00
Project Management	PRJM101	7	8	R3170.00
TOTAL				R20110.00
Semester Six				
Pulp and Paper Manufacturing (In Service)	PAPMI01	6	72	R2950.00
TOTAL CREDITS SEMESTER 5&6			90	
TOTAL				R2950.00

NB: The course structure and requisite modules are subject to alteration.

Application

Applicants who wish to enrol for the programme must apply through the CAO system by no later than 30 September of the previous year.

CAO Online Application visit: <http://www.cao.ac.za>

CAO Contact Details Private Bag X06

Dalbridge, 4014

Tel: (031) 2684444

Fax: (031) 2684422

CAO Code: DU-D-DPP

Closing date for applications: 30 September 2024

For Further Information

Contact the Department of Chemical Engineering Steve Biko Campus (S4 Level 1)

Durban University of Technology P O Box 1334

DURBAN

4000

Tel: (031) 3732218

Fax: (031) 3732284

Email: khanyisilen@dut.ac.za

Financial Aid

For Financial Aid application for a DUT programme please apply online at www.nsfas.org.za or call the NSFAS call centre on 0860 067 327.

For an explanation on how to fill out the application form, please go to www.nsfas.org.za or contact the call centre on the number above.

Please note that completing a form does not guarantee Financial Aid. For further assistance, please consult the Department of Financial Aid and Scholarships on (031)373 2931/2557/2054.