

National Diploma in Pulp and Paper Technology

Pending approval from Department of Higher Education the new **Diploma in Pulp and Paper Technology** will be offered in 2020

Location

Steve Biko Campus (S4 Level 1)

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 National 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 National Diploma is a 3 year programme consisting of 24 months of theoretical tuition and 12 months of appropriate industrial training.

On completion of the National Diploma the graduate may enrol for the Bachelor's degree in Technology: Pulp and Paper. 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.

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

Entry Requirements

DEPARTMENTAL REQUIREMENTS	NSC	DEPARTMENTAL SENIOR CERTIFICATE REQUIREMENTS		
Compulsory Subjects	NSC Rating Code	A Senior Certificate with Matriculation Exemption or equivalent qualification.		
English (home) OR English (1st additional)	3	Compulsory Subjects	HG	SG
Maths	4	Maths	D	B
Physical Science	4	Physical Science	D	B
		A pass in the subjects Technical Drawing and/or Computer Studies will be an added advantage.		

National Certificate (Vocational) Level 4

The following Fundamental subjects:

English (FAL) 50%, Mathematics at 60-69% and one additional Fundamental subject at 50%

And

The following Vocational subject:

Physical Sciences at 60-69% and two additional vocational subjects at 60%

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:

- (a) The person shall have reached the age of 23 in the first year of registration and shall have at least: three years' appropriate work experience; and/or capacity for the proposed instructional programme, which shall be assessed 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

- (b) 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
- (c) 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.

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

Semester One

Communication Skills I	COSK101
Chemistry I	CHEM102
Mathematics I	MATH101
Introduction to Pulp and Paper Making I	IPPM101
Physics I	PYSC105
Computer Skills	COMS101

Semester Two

Quality Assurance and Statistics I	QAST101
Intro to Pulp and Paper Making	IPPM101
Pulp and Paper Technology I	PPPT101
Physical Chemistry II	PHCH201
Pulp and Paper Chemistry II	PPPC201
Chemical Engineering Technology II	CENT201
Engineering Physics II	EPHY201

Semester Three

Chem Eng. Technology III (2 Modules)	CENT304
Pulp and Paper Technology II	PPPT201
Pulp and Paper Chemistry III	PPPC301
Applied Thermodynamics III	TDYA301

Semester 4

Pulp and Paper Technology III
Chemical Plant (2 Modules)
Management Skills I
Process Control III

PPPT301
CHPL304
MASK101
PCCR301

Semester 5 & 6

Pulp and Paper Practice I, II and III
PPR101, PPR201, PPR301

Closing Date for Applications: 30 September 2019

Telephone: (031) 373 2123
CAO Code: N.Dip.-DU-D-PP3

For Further Information Contact

Department of Chemical Engineering
Steve Biko campus (Block S4 Level 1)
Durban University of Technology
Tel: (031) 3732218
Fax: (031) 3732284
Email: khanyisilen@dut.ac.za

APPLICATION FORMS

Contact the **Central Applications Office (CAO)**

CAO Code: DU-D-PP3

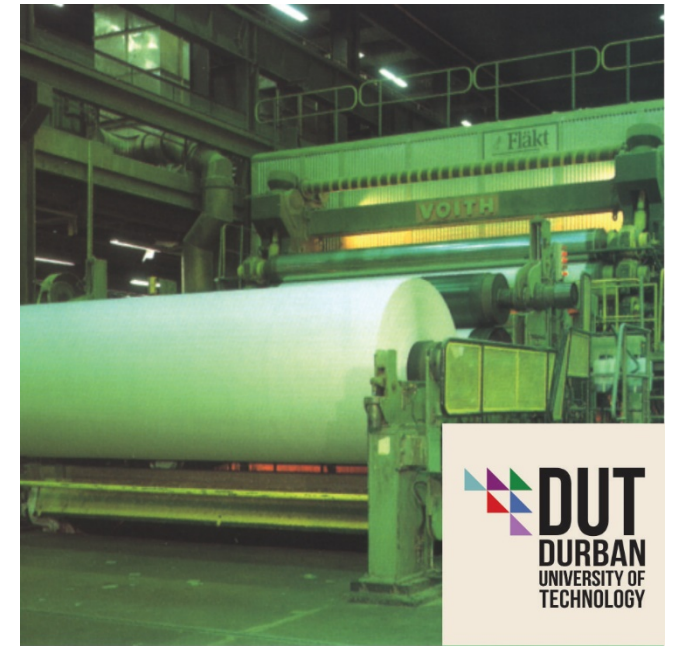
Address letters to:

Central Applications Office
Private Bag X06
Dalbridge 4014

Tel: (031) 268 4444

Fax: (031) 268 4422

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



CAREER INFORMATION

NATIONAL DIPLOMA

PULP AND PAPER
TECHNOLOGY

1 JANUARY - 31 DECEMBER 2020

FACULTY OF
ENGINEERING
& THE BUILT
ENVIRONMENT

DEPARTMENT OF
CHEMICAL
ENGINEERING

2020

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