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 performance of the individual.

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 Paper technology must have a basic knowledge of chemistry and physics, and an aptitude for solving problems logically.

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.

<table>
<thead>
<tr>
<th>RATING CODE</th>
<th>RATING</th>
<th>MARKS %</th>
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<tbody>
<tr>
<td>7</td>
<td>Outstanding achievement</td>
<td>80-100</td>
</tr>
<tr>
<td>6</td>
<td>Meritorious achievement</td>
<td>70-79</td>
</tr>
<tr>
<td>5</td>
<td>Substantial achievement</td>
<td>60-69</td>
</tr>
<tr>
<td>4</td>
<td>Adequate achievement</td>
<td>50-59</td>
</tr>
<tr>
<td>3</td>
<td>Moderate achievement</td>
<td>40-49</td>
</tr>
<tr>
<td>2</td>
<td>Elementary achievement</td>
<td>30-39</td>
</tr>
<tr>
<td>1</td>
<td>Not Achieved</td>
<td>0 – 29</td>
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Entry Requirements

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<tr>
<th>DEPARTMENTAL REQUIREMENTS</th>
<th>NSC CODE</th>
<th>DEPARTMENTAL SENIOR CERTIFICATE REQUIREMENTS</th>
</tr>
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<tbody>
<tr>
<td>Compulsory Subjects</td>
<td>A Senior Certificate with Matriculation Exemption or equivalent qualification.</td>
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<tr>
<td>English (home) OR English (1st additional)</td>
<td>3</td>
<td>Compulsory Subjects</td>
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<tr>
<td>Maths</td>
<td>3</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Physical Science</td>
<td>4</td>
<td>Physical Science</td>
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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 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 I PHCH201
Pulp and Paper Technology II PPPT201
Chemical Engineering Technology II CENT201
Engineering Physics I EPHY201

Semester Three
Chem Eng. Technology III (2 Modules) CENT304
Pulp and Paper Technology II PPPT201
Pulp and Paper Chemistry III PPCP301
Applied Thermodynamics III TDYA301
Semester 4
Pulp and Paper Technology III PPPT301
Chemical Plant (2 Modules) CHPL304
Management Skills I MASK101
Process Control III 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
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Fax: (031) 373 2284
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

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