

# SCHOOL OF ENGINEERING

PROGRAMME TITLE	LEVEL	SAQA ID
Chemical Engineering	N4	66887
	N5	66960
	N6	67005

## PROGRAM DESCRIPTION

Chemical engineers are involved in the manufacture of products such as fuel, petrochemicals, cosmetics, plastics, processed foods, and medicine so that we can enjoy and reap the benefits of scientific discoveries. Chemical engineers work in manufacturing, pharmaceuticals, healthcare, design and construction, pulp and paper, petrochemicals, food processing, specialty chemicals, microelectronics, electronic and advanced materials, polymers, business services, biotechnology, and environmental health and safety industries, among others.

## CAREER OPPORTUNITIES

- Chemical Engineer
- Energy Engineer
- Petroleum Engineer
- Product/process development scientist
- Analytical chemist
- Energy Manager
- Manufacturing engineer
- Materials engineer
- Mining engineer
- Production manager
- Quality manager

## MODULES PER TRIMESTER

Trimester one (Year one)	Trimester two (Year one)	Trimester three (Year one)
<ul style="list-style-type: none"><li>• Mathematics N4</li><li>• Engineering Science N4</li></ul>	<ul style="list-style-type: none"><li>• Chemical Plant Operations N4</li><li>• Chemistry N4</li></ul>	<ul style="list-style-type: none"><li>• Mathematics N5</li><li>• Engineering Physics N5</li></ul>
Trimester one (Year two)	Trimester two (Year two)	Trimester three (Year two)
<ul style="list-style-type: none"><li>• Chemical Plant Operations N5</li><li>• Chemistry N5</li></ul>	<ul style="list-style-type: none"><li>• Mathematics N5</li><li>• Engineering Physics N6</li></ul>	<ul style="list-style-type: none"><li>• Chemical Plant Operations N6</li><li>• Chemistry N6</li></ul>

## DURATION & MODE OF STUDY

- Full Time: Minimum 2 Years
- Part Time: Minimum 2 Years
- In-Service Training: 18 Months (After completing the N6 Certificate, students need to complete 18 months of practical experience in their area of study to obtain a National N-Diploma.)

## ENTRY REQUIREMENTS

- Grade 12 - Matric,
- A senior certificate or
- National Certificate (N3) or a relevant Nated equivalent qualification

## ADMISSION PERIODS

January, May and September every year

## STUDY MATERIALS

Textbooks are recommended and supplied by the College.

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**PRICING**

For the current pricelist please contact the College.

**EXAMINATION AUTHORITY**

All examinations which hold twice a year are set and conducted by the Department of Higher Education and Training.

**CERTIFICATE & DIPLOMA ISSUANCE**

Certificates of completion and Diplomas are issued to learners by the Department of Higher Education and Training on successful completion of each level and the mandatory 18 months practical work experience.

**STUDYING BEYOND THE DIPLOMA STAGE**

The qualification obtained from this study can be used to apply to study further in any University or Higher education colleges in the country because it is nationally recognized qualification.

**ARTICULATION**

Based on Report 191 from the Department of Higher Education & training, a learner who has successfully completed all the three levels i.e. N4 - N6 may pursue the following path in order to obtain the National-N Diploma

- Complete all compulsory instructional offerings required for the issuance of the National N Diploma Obtain
- work experience for a minimum of 18 months in the field related to his or her studies and provide documentary evidence to the Department of Higher Education & training of applicable experience in relevant field to the candidate’s program of study.
- Candidate must present the N4, N5 and N6 certificates in addition to letter from Employer to the Department of Higher Education & training to apply for the National N Diploma.

**DISCLAIMER NOTICE**

The information contained in this FACT SHEET is accurate at the time of this publication. In the event of factors beyond the control of HillCross Business College occurring hence causing the contents of this fact sheet and or of the program to change, HillCross Business College will make frantic effort to formally notify current and affected learners. Meanwhile HillCross Business College will as much as possible ensure the intactness of the information contained herein.

Learner/Parent/Sponsor Assent	For Official Use
<p>I,....., herewith acknowledge that I fully understand the information contained herein based on the qualification stated within this context.</p> <p>Signature.....</p> <p>Name (Parent/Guardian/sponsor).....</p> <p>Signature (Parent/Guardian/Sponsor).....</p>	