



NATIONAL N CERTIFICATE

CHEMICAL ENGINEERING N1

DESCRIPTION

Chemical Engineering is an area of engineering that applied physical sciences (Physics and Chemistry), Life Sciences (Microbiology and biochemistry) together with applied mathematics and economics to produce, transform, transport and properly use chemicals, materials and energy.

This qualification is for learners who wish to further their learning and possibly specialize in chemical engineering disciplines.

ENTRY REQUIREMENT

1. Grade 10 with a pass in Mathematics and Physical Science
2. No formal communication for anyone older than 23

DURATION AND ACCREDITATION

3 Months for theory, simulations and on-site practicals

This course is accredited by UMALUSI as the quality assurance body and the Department of Higher Education and training as the assessment body.

EXAMINATION / ASSESSMENTS

The learner is externally assessed by Department of Higher Education and Training at the end of each trimester in the modules that the learner registered in that particular trimester. To qualify for this assessment, the learner has to obtain 40% in each of the Internal Continuous Assessments (Tests and assignments) conducted internally during the course of the trimester.

CERTIFICATION

A National Nated Certificate in Chemical Engineering N1 will be issued on successful passing of all required N1 modules. This certificate is issued by Department of Higher Education and Training as the quality assurance and assessment body.

COURSE OUTLINE / N1 MODULES

| Subject Code | Subject Name | Credits | Field |
|---------------------------|---|---------|-------|
| <i>Compulsory Modules</i> | | | |
| 1. 16030121 | Mathematics | 0.083 | 10 |
| 2. 15070391 | Engineering Science | 0.083 | 10 |
| 3. 11040001 | Plant Operation Theory | 0.083 | 6 |
| 4. 08120011 | Water and Wastewater Treatment Practice | 0.083 | 6 |

CAREER OPTIONS

- Chemical Engineer
- Chemical Process Engineer
- Chemical Process Operator

REGISTRATION REQUIREMENTS

1. Applicant Certified ID / Passport copies
2. Parent / guardian / next of keen ID copies
3. 2 ID sized passport photographs
4. Proof of address
5. Certified Grade 10 report or its equivalent

THE QUALIFICATION FEES STRUCTURE

Registration fee is R1000.00 and Nonrefundable.

| SUBJECTS | 4 SUBJECTS | 3 SUBJECTS | 2 SUBJECTS | 1 SUBJECT |
|---------------------|---------------------|---------------------|-------------------|--------------------|
| ADMISSION | R 1200.00 | R 1000.00 | R 800.00 | R 600.00 |
| MONTHLY INSTALLMENT | R 1200 * 3 = R 3600 | R 1000 * 3 = R 3000 | R 800 * 3 = R2400 | R 600 * 3 = R 1800 |
| TOTAL FEES | R 5 800.00 | R 5 000.00 | R 4 200.00 | R 3 400.00 |

COLLEGE BANKING DETAILS

Bank Name: Standard Bank SA

Account holder: Fredstone City College Pty Ltd

Account Number: 010117596939

Branch code: 018105

Ref: Learner / Applicant full names