



FET 2019 FACT SHEET FIELD OF STUDY: ENGINEERING STUDIES (FULL TIME)

Programme Title	SAQA ID	NQF Level
National Certificate: Chemical Engineering	N3 67491	3
*National N Diploma: Chemical Engineering (SAQA ID 90674)	N4 66881	5
	N5 66960	5
	N6 67005	5

1. Type of programme

- Full Time
- National Qualification

2. Career fields

On completion of this qualification, successful learners could pursue a career in:

- Process Plant construction
- Chemical Engineering
- Environmental Protection
- Biotechnology
- Research and Development Chemist
- Quality Control

3. Description

Chemical Engineering is the branch of Engineering that is concerned with the manufacturing of chemicals on an industrial scale. It is also the branch of engineering concerned with the design and operation of industrial chemical plants. It involves processes that convert raw materials into various products that we use every day through physical, thermal or chemical changes. The design of the qualification enables learners to obtain the qualification by completing the related N3, N4, N5 and N6 courses. On completion of the N3, N4, N5 and N6, learners must complete 2 years of practical workplace learning for the learner to be awarded the National N Diploma (N6).

4. Admission Requirements

N2: Engineering Studies or Grade 11 or Senior Certificate or NSC with Maths.

5. Duration

The programme duration is 2 years full time and tuition is face to face. Programmes are offered during the week on a fulltime basis. **Minimum 2 Years + 2 Years in-service Training.**

6. Study Guides

All study material is excluded.

7. Pricing

Enquire at the nearest MLA Campus for current programme pricelist.

8. Additional costs

Learners must make provision for additional items such as textbooks, stationery, re-write examinations.

9. Programme Outline

Year 1:

SUBJECTS	
Semester 1	Semester 2
Mathematics N3	Mathematics N4
Engineering Science N3	Engineering Science N4
Industrial Orientation N3	Chemical Plant Operations N4
Plant Operations Theory N3	Chemistry N4

Learner Initial	SC Initial

Management and Leadership Academy (Pty) Ltd is provisionally registered with the Department of Higher Education and Training as a private college under the Continuing Education and Training Act No. 16 of 2006. Registration Certificate No: 2008/FE07/111. Management and Leadership Academy (Pty) Ltd is provisionally accredited by Umalusi, the Quality Council for General and Further Education and Training. Registration Number: 17FET0200081PA (Durban) and 17FET0200118PA (Pietermaritzburg). Management and Leadership Academy (Pty) Ltd is further accredited by the Quality Council for Trades and Occupations (QCTO). Accreditation Numbers: 15/0140 (Durban) and 15/0139 (Pietermaritzburg).



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Year 2:

Semester 1	Semester 2
Mathematics N5	Mathematics N6
Power Machines N5	Power Machines N6
Chemical Plant Operations N5	Chemical Plant Operations N6
Chemistry N5	Chemical Technology N6

10. Certification

- On successful completion of the programme, you will receive the following certification:
 - **NATIONAL CERTIFICATE AT EACH LEVEL: N3, N4, N5, N6**
 - ***NATIONAL N DIPLOMA** (on completion of N3-N6 and **2 Years in-service training**).
- All examinations are National Examinations, set and administered by the Department of Higher Education and Training.
- Certificates and Diploma are conferred by the Department of Higher Education and Training.
- All qualifications are nationally recognised by industry and universities.

11. Further studies

Learners may pursue further studies in the Engineering Faculty at a University of Technology.

Disclaimer

The information contained in this fact sheet is accurate at the time of printing. However, factors beyond the control of MLA (such as environmental, regulatory or technical changes) may cause the contents of this fact sheet or of the programme to change. In the event of any such change, MLA will notify current learners. All possible measures will be taken to minimize inconvenience to learners.

Learner Acknowledgment

I _____, hereby acknowledge that I understand the information stated in this document and fully comprehend the specifics explained above pertaining to this qualification.

Signature of Learner: _____

Name of Parent/Guardian: _____

Signature of Parent/Guardian: _____

Name of Sales Consultant: _____

Signature of Sales Consultant: _____

Date: _____

Learner Initial	SC Initial

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Please note that the original copy should be kept on the learner record file.

Learner Initial	SC Initial

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