

PROGRAMME TITLE**Electrical Engineering: Instrumentation N1/N2*****Only offered at DHET registered exam centre campuses****DESCRIPTION**

The Instrumentation programme equips learners with foundational theoretical knowledge and practical skills required to install, maintain, and troubleshoot instrumentation and control systems used in industrial, commercial, and engineering environments. This programme serves as a stepping stone toward higher-level technical training and artisan certification in electrical and instrumentation trades.

CAREER FIELDS

With this qualification, successful learners could pursue a career as a:

- Instrumentation Technician Assistant
- Control Systems Assistant
- Maintenance Assistant
- Process Monitoring Assistant
- Electrical / Electronics Assistant

PROGRAMME OUTLINE

1 st Year 1 st Semester Subjects	1 st Year 2 nd Semester Subjects
Engineering Science N1	Engineering Science N2
Engineering Drawing N1	Engineering Drawing N2
Mathematics N1	Mathematics N2
Communication	Instrument Trade Theory N2

TYPE OF PROGRAMME

Full Time: Minimum 1 Year

ADMISSION REQUIREMENTS

Learners need one of the following:

- Only learners who have completed the NSC or equivalent qualifications may be enrolled for purposes of articulation to the National N Diploma: Engineering Studies or similar qualification.
- TVET Colleges may use their own admission requirements in determining the starting N-level of the students enrolled for articulation purposes.

LEARNER MATERIAL

All study guides are included in the tuition fees. Your campus academic department will provide you with a list of required textbooks.

PRICING

Enquire at the Berea Technical College campus for a current programme pricelist.

ADDITIONAL COSTS

There are additional costs such, a drawing board and some Engineering accessories e.g. drawing instruments, lab coat etc.

EXAMINATION AUTHORITY

All examinations are National Examinations, set and administered by the Department of Higher Education and Training.

CERTIFICATION

Upon successful completion of this programme, learners will receive a statement of results.

ARTICULATION

- Providing articulation and a second chance to learners who have completed the National Senior Certificate (NSC) or equivalent qualification and would like to pursue studies towards National N Diploma: Engineering Studies or similar qualifications but did not meet the performance level required for admission.
- Providing access to artisan training in those trades that currently do not have occupational qualifications and trade tests developed.

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FURTHER STUDIES

Upon completing N2, learners can further their studies at various accredited trade test centres, gaining access to artisan training in trades or trade tests. Here are some accredited trade-test / artisan training centres in KwaZulu-Natal (KZN) that you can contact if you want to do a trade test or artisan training:

Engineering Skills Training Centre (ESTC) – Durban / Clairwood: ESTC is accredited by the Quality Council for Trades and Occupations (QCTO) and relevant SETAs for training and trade testing in “Measurement, Control & Instrumentation” (instrument mechanician / instrumentation) among other engineering trades.

RBTTAC – Richards Bay Technical Training & Assessment Centre: Richards Bay (KZN). Fully accredited trade test & artisan training centre offering trade tests in many trades including Electrician, Welder, Plumber, Fitter & Turner, Millwright, Carpenter, Bricklayer, etc

Technotrain (Westmead, KZN branch): Offers artisan training and conduct trade tests (for certain mechanical / engineering trades) at their KZN facility

Coastal KZN TVET College – Occupational Skills Training & Trade Testing Centre (Hammarsdale): Accredited as a trade test centre for Bricklaying, Carpentry, Plastering & Tiling, Painting & Decorating, Plumbing, Electrical, and offers pre-trade test assessment, institutional artisan training and RPL.

DISCLAIMER

The information contained in this fact sheet is accurate at the time of printing. However, factors beyond Berea Technical College control (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, Berea Technical College will formally notify current learners. All possible measures will be taken to minimise inconvenience to learners.

Name of Learner: 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 Legal Guardian: Signature:
(if applicable)

Name of Sales Consultant: Signature:

Name of Head of Department: Signature:

Date:

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