

Advanced Course in Electrical Engineering Design and Draughting

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A F R I C A N A C A D E M Y

Name: Advanced Course in Electrical Engineering Design and Draughting (Please note that application for accreditation as a Diploma is still in the process with Council for Higher Education)

Programme: Engineering Design and Draughting

Full/Part time Description: The Programme has been designed to enable you to reach the following outcomes:

Engineering Draughting and Design Provides more practice involving a broader range of skills appropriate for a person to be able to design, budget, manage and supervise a team on a project in construction, manufacturing, process industries etc.

level 1 (1st year)

Admission Requirements:

Successful completion of Matriculation or equivalent.

Plus

- 2D software studies AutoCAD N5
- Mechanical Orientation N 5
- Building Draughting N5
- Mechanical Draughting N4
- Electrical Draughting N5
- Structural Steel Detailing N5
- Pictorial Draughting N 4
- General Draughting
- Piping Draughting
- 3D software studies Inventor

The above comprises as the 1st year of study.

Level 2 (2nd year)

Admission Requirements; Full Pass on Level 1

Semester 1

- Engineering Mathematics
- Applied Mechanics
- Electrical Design Theory
- 3D software studies (Revit and Microstation V8i)

Semester 2

- Electrical Design Practical / SANS Standards
 - Instrumentation and Control
 - Strength of Materials
 - 3D software studies (Microstation everything 3D and solidworks)
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Level 3 (3rd year):

Admission requirement: Full pass on Level 2

Semester 1

- Business Management
- Electrical Installation
- Electrical Engineering Health and Safety
- Engineering Practical 1 (P1)
- Digital systems

Semester 2

- Electrical Machines
- Industrial Electronics
- PLC Programming
- Engineering Practical 2 (P2)
- Electrical Integrated Project Design

Duration: 3 years Qualification

Course Fees: R16 500 per semester.

R 3 000 deposit and 5 monthly installments of R 2 700.

Additional Costs: Books, kits, etc.

City & Guilds certificate – R 500

Certification

On successful completion of the full programme, the student will receive a City and Guilds certificate.



City & Guilds is a globally recognized and respected awarding organization and serves as a benchmark for educational quality.

Why attend

City and Guilds award certificates to people who have shown they have mastered skills that are based on excellent standards set by industry. City and Guilds international provides a particular service to customers around the world who need high-quality assessments and certification.

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