

IBTC DATA CENTRE ACADEMY · INDUSTRY PARTNERSHIP

Building Africa's *data centre talent pipeline*



The rapid growth of data centres across Africa has created a critical shortage of **skilled, work-ready talent**. Traditional hiring is no longer sufficient and internal training rarely addresses the wider industry gap. The **IBTC Data Centre Academy** is an **independent, industry-led training-to-employment programme** built to solve this challenge at scale.

START DATES

On-demand

Select a date that suits you

DURATION

~4 months

DCCA I + DCCA II

CERTIFICATIONS

Double

Schneider · EPI / EXIN

INVESTMENT

\$1,300

Per candidate · intro offer

WHY PARTNER WITH IBTC

A pre-qualified *talent pipeline*

- Access emerging, screened data-centre talent
- Reduce hiring risk through real-world internship assessment
- Avoid the limitations of internal academies that retain top candidates
- Contribute to a sustainable, industry-wide ecosystem
- Flexible: nominate your own candidates or select from ours

WHAT IBTC PROVIDES

An *end-to-end* programme

- Candidate sourcing and screening, where required
- Training, certification and academic support
- Programme management and quality assurance
- Structured internship logbooks and supervision
- Recruitment placement on completion

WHAT PARTNERS BRING

A clear, structured *partnership*

- Sponsor** · Fund candidates through the programme
- Nominate** · Put forward your own talent or select from IBTC's pool
- Host** · Provide facility access for the structured internship
- Hire** · Option to retain candidates after internship

• HOW IT WORKS · THREE STEPS FROM SPONSORSHIP TO HIRE

STEP 01

Sponsor & *nominate*

INTAKES ON-DEMAND

Sponsor a cohort of candidates — your own nominees, candidates from IBTC's screened pool, or a mix. We manage onboarding, classes and certification end-to-end.

STEP 02

Train & *certify*

DOUBLE CERTIFICATION

Candidates complete DCCA I (Schneider Electric) and DCCA II (EPI / EXIN-accredited CDCA®) — fundamentals, advanced operations and structured live tutorials.

STEP 03

Host & *assess*

3-WEEK ON-SITE INTERNSHIP

Host candidates for a structured, supervised internship at your facility. Assess work-readiness in a live data-centre environment before any hiring decision.

THE IBTC DCCA SKILLS PROGRAMME

Two stages. One *work-ready* candidate.

Every candidate moves through a sequenced, double-certified pathway – from foundational data-centre fundamentals into advanced operations – with an embedded internship that turns certification into real-world capability.

• STAGE 01 • ±3 WEEKS

DCCA I – Data Centre *fundamentals*

SCHNEIDER ELECTRIC CERTIFICATION

- Introduction to data-centre infrastructure and operations
- Strong technical foundations across power, cooling, security
- Structured online tuition with live tutorials
- Schneider Electric University DCCA® certification
- Half-day data-centre site visit

Schneider Electric Certified Data Centre Associate (DCCA®)
CERTIFICATE VALIDITY • NO EXPIRY

• STAGE 02 • 3 MONTHS

DCCA II – Advanced *Operations*

EPI / EXIN-ACCREDITED CDCA®

- In-depth operational and design knowledge
- Structured eBook learning plus twice-weekly live classes
- EPI CDCA® certification, accredited by EXIN
- Includes a 3-week on-site data-centre internship
- Personal course monitor and unlimited tutor support

EPI Certified Data Centre Associate (CDCA®)
CERTIFICATE VALIDITY • 3 YEARS

• HOW THE PARTNERSHIP WORKS

We handle the *training engine*

- Candidate sourcing and screening, where required
- Full training, certification and academic support
- Programme management and quality assurance
- Structured internship logbooks and supervision
- Recruitment placement of graduates on completion

• DATA CENTRE OPERATORS & FUNDERS

You sponsor, host and *select*

- Sponsor candidates through the full programme
- Nominate your own talent or select from IBTC's pool
- Provide facility access for structured internships
- Option to hire candidates after the internship period
- Optional input on cohort focus and competencies

FOR PARTNERS

A low-risk *pipeline*

Access to certified, work-ready candidates you can assess before hiring.

FOR PARTNERS

Industry *contribution*

A direct role in solving the data-centre skills shortage across the continent.

FOR CANDIDATES

Dual *certification*

Schneider Electric and EPI / EXIN credentials, both recognised globally.

FOR CANDIDATES

Real-world *exposure*

Three weeks inside a live data centre, making them work-ready, from day one.

• INVESTMENT • INTRODUCTORY OFFER

\$1,300 *per candidate*

Covers full DCCA I + DCCA II training, two certifications, internship structure and placement support.

PARTNER ENQUIRIES

nikki@ibtc.co.za

VISIT

[www.ibtc.co.za/courses/
data-centre-academy](http://www.ibtc.co.za/courses/data-centre-academy)

STAGE 01 • SCHNEIDER ELECTRIC ACCREDITED

DCCA I – Data Centre *Fundamentals syllabus*

START DATES

On-demand

Choose your start dates

DURATION

2–3 weeks

Cohort-based

ONLINE LEARNING

21

Video + live classes

EXAM

2 hours

Online, post-course

SITE VISIT

Half day

In-person, live DC

LEVEL 01

Physical *Infrastructure*

9 MODULES

- 01 Overview of Data Centre Physical Infrastructure
- 02 Element: Power
- 03 Element: Cooling
- 04 Element: Physical Structure
- 05 Element: Security and Fire Protection
- 06 Element: Cabling
- 07 Element: Management
- 08 Element: Services
- 09 Data Centre Sustainability

LEVEL 02

Availability & *Power*

6 MODULES

- 01 Fundamentals of availability
- 02 Fundamentals of power
- 03 Power Distribution I
- 04 Fundamentals of cabling strategies
- 05 Generator fundamentals
- 06 Power redundancy in DC

LEVEL 03

Cooling & *Racks*

7 MODULES

- 01 Building controls I
- 02 Introduction to HVAC systems
- 03 Fundamentals of cooling I
- 04 Fundamentals of cooling II
- 05 Choosing between room, row & rack-based cooling
- 06 Optimising cooling layouts
- 07 Rack fundamentals

LEVEL 04

Security & *Risk*

5 MODULES

- 01 Examining fire protection methods
- 02 Fundamentals of physical security
- 03 Fundamental principles of network security
- 04 Understanding preventative maintenance for DC's
- 05 Overview of physical infrastructure maintenance risks

• ASSESSMENT • DCCA I EXAM

The DCCA® *exam*

A closed-book multiple-choice exam — sat online shortly after the final class. Candidates receive their result the moment they finish, with no waiting period.

FORMAT

Closed book • MCQ

DURATION

2 hours

PASS MARK

70%

• CERTIFICATION • SCHNEIDER ELECTRIC

Globally *accredited*

Internationally recognised by employers worldwide, with a credential that does not expire. A direct stepping stone into the EPI / EXIN-accredited DCCA II.

AWARDED BY

Schneider Electric International Univ.

RECOGNITION

VALIDITY

Does not expire

*Partner with us to
build the workforce.*

PARTNER ENQUIRIES

nikki@ibtc.co.za

www.ibtc.co.za

CALL

0861 111 411

info@ibtc.co.za

STAGE 02 • EPI / EXIN ACCREDITED

DCCA II – Advanced Data Centre *Operations syllabus*

DURATION

3 months

Cohort-based

LIVE ONLINE

40 hours

Twice a week, evenings

EXAM

2.5 hours

Closed-book MCQ

INTERNSHIP

3 weeks

On-site, partner DC

VALIDITY

3 years

Easily renewed

Foundations & *design*

7 MODULES

- 01 Introduction to Data Centres
- 02 The Data Centre and its relation to business
- 03 Types of data centres
- 04 Data Centre standards
- 05 Topology design
- 06 Data Centre site selection
- 07 Data Centre facilities areas

Architectural & *electrical*

5 MODULES

- 01 Architectural infrastructure
- 02 Electrical (power) infrastructure
- 03 Lighting
- 04 Mechanical (cooling) infrastructure
- 05 AI infrastructure design requirements

Network & *security*

4 MODULES

- 01 ICT / network infrastructure
- 02 Fire safety infrastructure
- 03 Data Centre monitoring system
- 04 Security infrastructure

Operations & *sustainability*

6 MODULES

- 01 Data Centre operations
- 02 Environmental impact
- 03 Environmental sustainability
- 04 Key metrics
- 05 Waste management
- 06 Sustainable energy usage

• GLOBAL ACCREDITATION & RECOGNITION

Accredited by **EXIN**,
Awarded by **EPI**.

The CDCA® certification is awarded by EPI (Enterprise Products Integration) and accredited by EXIN – an independent body that ensures training programmes meet rigorous international standards. With a 30+ year global reputation, your graduates' credentials are recognised and valued by employers worldwide.

• CERTIFICATION SUMMARY

Recognised **worldwide**.

AWARDED BY	ACCREDITED	VALIDITY
EPI	EXIN	3 years

This certification is valid for 3 years from completion, and can easily be renewed through a simple recertification process.

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build the workforce.*

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