Data Centre Foundation Certificate (DCFC)

Category: Infrastructure & IT Operations | **Vendor:** EPI

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Data Centre Foundation Certificate (DCFC®) is a 2-day course designed to deliver foundation knowledge about data centre facilities infrastructure. It provides participants with global overview and knowledge on data centres which will be of advantage to the participants who are looking at joining the ranks of professionals working in the data centre, ICT, infrastructure or the mechanical and electrical (M&E) design industries. It will also form a solid foundation for participants who wish to pursue his/her studies either academically or to further his/her industry specialisation with professional certification courses on data centre design/build, operations/governance and/or standards/compliance. With the tremendous growth of data and the data centres to support it, the demand for data centre professionals will grow in tandem.

About This Course

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Who Should Attend

The audience for this course is anyone who wants to acquire foundation level knowledge on data centre infrastructure. This course is ideally suited for data centre new hires, internal data centre support staff, IT support staff who work in the data centre, helpdesk staff, vendors/suppliers who install/maintain data centre equipment, building maintenance staff including data centre cleaners and other supporting functions, and fresh graduates. This course is also well suited for individuals working in data centre business support functions such as sales/pre-sales, HR, Finance and business administration.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

The DCFC® course will prepare participants for entry into the exciting and high-growth data centre industry. It will ensure that participants acquire the required basic knowledge to take on a wide variety of jobs in the data centre industry. It will also provide the required knowledge and skill to further their training into specialised areas on data centre design/build, operations/governance or standards/compliance.

Detailed Course Outline

Introduction to Data Centres

- History of data centres
- Definition of different type data centres

Data Centre Standards

- List of standards
- Rating definitions

Data Centre Facilities Areas

- Listing of all areas and their functions

Topology Designs

- Definition of Ratings

Components of the Power Infrastructure

- Utility power
- Transformers
- Generators
- Fuel systems
- ATS
- UPS systems
- Batteries
- Electric panels
- Cabling/busbar systems
- Power rails/strips

Lights

- Lights
- Emergency lights

Cooling Infrastructure

- Chillers
- DX Systems
- Evaporators
- CRAC/CRAU/HVAC
- Raised floor
- Non-raised floor
- Containment

ICT/Network Infrastructure

- Equipment racks
- Network cabling (fibre, copper)
- Cable trays and pathways
- TIA-606 labelling

Data Centre Security

- Perimeter security
- Physical protection
- CCTV
- Access control
- Security management

Fire Suppression

- Detection systems
- Suppression systems
- Prevention systems
- Fire extinguishers
- Fire Safety

Monitoring and reporting

- DCIM
- EMS/BMS

Additional Course Details

Nexus Humans Data Centre Foundation Certificate (DCFC) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Data Centre Foundation Certificate (DCFC) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Data Centre Foundation Certificate (DCFC)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Data Centre Foundation Certificate (DCFC) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Data Centre Foundation Certificate (DCFC) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Data Centre Foundation Certificate (DCFC)?

Yes, we provide corporate training, dedicated training, and closed classes for Data Centre Foundation Certificate (DCFC). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Data Centre Foundation Certificate (DCFC)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Data Centre Foundation Certificate (DCFC) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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