Certified Data Centre Expert (CDCE)

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

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

CDCE® is the premier certification for data centre professionals in the data centre design/build and related fields.

About This Course

CDCE® is the premier certification for data centre professionals in the data centre design/build and related fields.

Who Should Attend

The primary audience for this course is any IT, facilities or data centre professional, who are involved in the design/build, renovation or relocation of a mission-critical data centre.

Learning Outcomes

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

This 5-day course is designed to prepare participants to analyse a given business case and perform technical evaluation for a project plan and a set of designs for the implementation of a mission critical data centre.
The course also engages participants in product evaluations and demonstrates how to select equipment and develop equipment test scripts (IET) and integrated performance and validation testing (IPVT). CDCE® builds upon knowledge gained in CDCP and CDCS courses. Participants who pass the exam will join the industry's elite data centre project design experts.
CDCE® is the highest level training in the EPI Design and Build training track under the EPI Data Centre Training Framework. Participants must hold a valid CDCS certificate in order to be able to register for the CDCE class.

Detailed Course Outline

Data Centre Life Cycle

- Data centre lifecycle stages and phases

  Exercise: Stage/Phase/Milestone/Document mapping

Design Preparation

- Creation of a SON Statement Of Need

  Technology review

  Conceptual sizing

  How to calculate for computer room space

  How to calculate facility space

  How to calculate incoming power

  Exercise: Conceptual sizing building and power

  Analysing capacity of existing facility

  Analysing investment options

  Site selection

  Permits and approvals

  Exercise: Site selection

  Conceptual design

  Budget and project timeline

  Business case preparation

  Project delivery structure

  Project management options

  Project manager and team

Design Planning

- OSRAOperational Systems Requirement Analysis

  TFRATechnical Facilities Requirement Analysis

  Operations and maintenance review

  RFPRequest For Proposal process

  Vendor selection

Design Development

- Project planning

  Design development

  PDR Preliminary Design Review

  Equipment selection

  FDR/V Final Design Review/Validation

  Exercise: Full design validation of power, cooling, floor plans, fire suppression

  Design freeze and LLTI

  Creation of construction documents

  BOM/BOQ Bill Of Material/Bill Of Quantity

  Exercise: Equipment selection

Acquire

- Requirements of purchase orders

  Shipping terms

  FWT/FAT Factory Witness Test/Factory Acceptance Test

  Sequencing

  Incoming goods inspection and handling

  Asset management

Construct

- Temporary essential services

  Erection of the building

  Permanent essential services

  Building inspection

  Snag list

  COFCertificate Of Fitness

Fit-Out

- Fit-Out

  Builders cleaning

  As-Built Drawings

Test & Commissioning

- IETIndividual Equipment Test

  IPVT/ISTIntegrated Performance Verification Test/Integrated Systems Test

  Common mistakes with IET/IPVT

  Deep cleaning

  Exercise: IET/IPVT scripting

Hand-Over

- Facility hand-over requirements and documents

  PCCPractical Completion Certificate

  DLPDefect Liability Period

  Defect Management

  ICT Systems Installation

  ICT Systems Testing

  Hand-Over/DLP Expiry

  FCCFinal Completion Certificate

Retirement

- Reasons and definitions of retirement

  Building the business case and project plan

  Sequencing

  Transfer of site

  Demolishing of site

  Legal matters

  FCCFinal Completion Certificate

Exam: Certified Data Centre Expert (CDCE®©)

- The CDCE®© exam is in two parts: Part A is a 90-minute closed book exam, with 60 multiple-choice questions. For Part A, the candidate requires a minimum of 45 correct answers to pass the exam. Part B is a 90-minute closed book exam, with 25 open questions. For Part B the candidate needs to obtain a minimum of 75% to pass.

Additional Course Details

Nexus Humans Certified Data Centre Expert (CDCE) 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 Certified Data Centre Expert (CDCE) 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 Certified Data Centre Expert (CDCE)?

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 5-day Certified Data Centre Expert (CDCE) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Certified Data Centre Expert (CDCE) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Certified Data Centre Expert (CDCE)?

Yes, we provide corporate training, dedicated training, and closed classes for Certified Data Centre Expert (CDCE). 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 Certified Data Centre Expert (CDCE)?

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 Certified Data Centre Expert (CDCE) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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