Certified TIA-942 Design Consultant (CTDC)

Category: Networking & Security | **Vendor:** EPI

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Certified TIA-942 Design Consultant (CTDC)
Related Exam:	CTDC

Course Overview

This course, the participant will learn how to design an ANSI/TIA-942 compliant data centre. It will provide a clear understanding of the requirements of the ANSI/TIA-942 Standard and possible implementation variations.

About This Course

This course, the participant will learn how to design an ANSI/TIA-942 compliant data centre. It will provide a clear understanding of the requirements of the ANSI/TIA-942 Standard and possible implementation variations.

Who Should Attend

Participants must possess a valid data centre training certificate such as CDCP or any other approved equivalent. Please submit a copy of your certificate for verification upon registration for the CTDC course.

Learning Outcomes

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

After completion of the course the participant will be able to:1. Learn to properly comprehend and apply the ANSI/TIA-942 Standard requirements and guidelines2. Understand the proper intent of the ANSI/TIA-942 Standard to avoid both over- and/or under-investment3. Align the selection of redundancy levels and infrastructure investments to the business requirements.4. Understand the criteria and requirements for a high-availability data centre design and how to effectively establish the data centre from the perspective of the ANSI/TIA-942 Standard5. Understand how the ANSI/TIA-942 Standard relates to various worldwide standards

Detailed Course Outline

Introduction to Data Centre Facilities

- About the ANSI/TIA-942
- Life of the ANSI/TIA-942 Standard
- Relation to other standards
- Architectural
- Electrical
- Mechanical
- Telecommunication
- Areas under scope
- High level redundancy definitions
- Redundancy options (N, N+1 etc.)
- Fault tolerant
- Concurrent maintainability
- Compartmentalisation
- Examples of redundancy levels

Data Centre Space PlanningData Centre TopologiesRecommendations for Energy EfficiencyArchitectural

- Site selection
- Parking
- Multi-tenant building
- Building construction
- Vapor barrier
- Roofing
- Floor loading
- Raised flooring
- Suspended/drop ceiling
- Hanging load
- Seismic

Building Security & Safety

- Security
- CCTV
- Staffing
- Bullet/ballistic proofing
- Lighting
- Safety
- - Signage

Building and Room Access

- Security checkpoints
- Entry lobby
- Doors and windows
- Exit corridors
- Shipping and receiving areas

Room/Area Design Requirements

- Administrative offices
- Security offce
- Operations centre
- Restroom and break room
- UPS/Battery rooms
- Generator and fuel storage area
- Computer room

Electrical

- Utility power
- - Substation
- - Feed requirements
- - Self-generation
- HT/HV switch gear
- Generator and fuel supply
- LT/LV switch gear
- - ATS
- - Alternatives to ATS
- UPS and batteries
- PDU
- STS
- Grounding
- Surge protection
- EPO
- Central power monitoring
- Load banks
- Testing
- Equipment maintenance
- - Preventive maintenance
- - Facility training programs

Mechanical

- Environmental design
- - Temperature and humidity requirements
- - Contamination
- - Sources
- - Clean air
- - Pressurisation
- - Radio sources
- - Vibration
- - Water ingress
- Water cooled systems
- - Heat rejection
- - Chilled water system
- - Condenser water
- - Make up water
- Air cooled systems
- HVAC control systems
- Plumbing
- - Pipe routing
- Fire suppression
- Water leak detection

Telecommunications

- Network topology
- Redundancy level design
- Media and connectors
- Cabling pathways
- Detailed cabling design considerations
- Administration and labeling
- Cable testing
- Data centre fabrics

Exam: Certified TIA-942 Design Consultant

- Actual course outline may vary depending on offering center. Contact your sales representative for more information.

□□ Certification Path

Certified TIA-942 Design Consultant (CTDC)

Exam: CTDC

Additional Course Details

Nexus Humans Certified TIA-942 Design Consultant (CTDC) 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 TIA-942 Design Consultant (CTDC) 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 TIA-942 Design Consultant (CTDC)?

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: What certification does this course prepare me for?

The Certified TIA-942 Design Consultant (CTDC) course helps prepare you for the Certified TIA-942 Design Consultant (CTDC) certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the CTDC official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Certified TIA-942 Design Consultant (CTDC) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Certified TIA-942 Design Consultant (CTDC) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Certified TIA-942 Design Consultant (CTDC)?

Yes, we provide corporate training, dedicated training, and closed classes for Certified TIA-942 Design Consultant (CTDC). 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 TIA-942 Design Consultant (CTDC)?

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 TIA-942 Design Consultant (CTDC) 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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