

3-day course

Course Overview

With the mission critical nature of a data centre, it is paramount that those personnel selected to undertake work in this environment possess skill levels of the highest calibre. This course addresses the issues that could be encountered by the data centre technician on a day to day basis; from dealing with move and change requests (MACs) to resolving fault conditions, efficiently and in a time critical manner. This course ensures that best practises are applied ensuring consistency and adherence to procedures especially with reference to health and safety issues in today's data centre.

All the Data Centre Courses have been fully updated to take into account the requirements of the 2009 EU Code of Conduct on Data Centres Energy Efficiency.

Introduction to data centres

- ▶ What is a data centre?
- ▶ Functional requirements
- ▶ Overview of design issues (Tier I to Tier IV)

Standards overview

- ▶ TIA 942
- ▶ ANSI/TIA/EIA-568; 569; 606; 607; 758
- ▶ EN 50173; 50174; 50346; 50310
- ▶ BS7671 electrical regs
- ▶ IEEE
- ▶ ASHRAE

Health and Safety

- ▶ Optical fibre hazards
- ▶ Electrical hazards
- ▶ Slips trips and falls
- ▶ CDM
- ▶ Manual handling & Lifting devices
- ▶ Noise & Lighting levels

Power overview

- ▶ Power sources & Back-up power
- ▶ Electricity supply and distribution
- ▶ AC/DC
- ▶ I-phase and 3-phase

Security

- ▶ Data centre protocol (do's and don'ts, behaviour)
- ▶ Physical security

Cable management, fibre and copper

- ▶ Capacity Planning
- ▶ Access floors
- ▶ Equipment racks/cabinets
- ▶ Efficient use of cabinet space
- ▶ Cabling and channel verification
- ▶ Intelligent Management

Data Centre Networks

- ▶ LAN, SAN, NAS, WAN
- ▶ Networking Protocols eg Ethernet, IP, FC, InfiniBand



80% Theory 20% Exercise

▶ Qualification

CNet certificate
BTEC applied for
BICSI CECs Applied for

▶ Who Should Attend

Anyone who works or has been selected to work in a data centre.

▶ Related Training

CDCDP™ - Certified Data Centre Design Professional
CDCD™ - Certified Data Centre Design
Data Centre Cooling
Data Centre Power
Data Centre Management
BICSI ITS Technician
BICSI ITS Installer Level 3
Fibre Optics In Internal & External Environments
Advanced Testing of Fibre Systems
Design & Advanced Testing of Copper Systems

▶ Course Objectives

This 3 day course addresses the issues that could be encountered by the data centre technician on a day to day basis; from dealing with move and change requests (MACs) to resolving fault conditions, efficiently and in a time critical manner.

▶ Prerequisites

BICSI ITS Technician or 3 years + relevant experience

▶ Course Location

Bury St Edmunds
Suffolk