

Kannegieter College provides the most relevant and real life Data Centre courses available in Europe. The courses are led by Barry Elliott or Matt Flowerday, the well-known experts on Data Centres. Using their practical experience derived from auditing data centres and helping clients. This course is for individuals who want to gain a good understanding of the data centre environment, the key management considerations and the data centre market. It is ideally suited to anyone new to the data centre industry.



### Who should take this course

Anyone wishing to gain an understanding of data centres and the data centre market.

### Prerequisites

There are no formal prerequisites for the course.

### What will you learn?

This comprehensive data centre primer course covers all of the infrastructure you will find in a data centre and discusses the critical aspects which improve resilience.

You will learn how cooling systems work, the key components of the power system and what they do along with the IT cabling, Fire systems and the IT equipment. You will also understand why data centres are laid out in a certain way along with some of the key operational parameters.

### Course content

- Introduction to data centres
  - The data centre market
  - Data centres vs computer rooms
  - Different types of data centre
  - The international data centre standards
  - Understanding Availability and Resilience
  - N, N+1, 2N, Tiers/Ratings/Classes etc.
- The Physical Infrastructure - IT Systems and their correct installation
  - The IT equipment which is housed in the data centre. Servers, Storage, Networking, IT Security
- Space and Places
  - Location, the rooms we need in our data centre and some basic considerations for the facility
- Raised access floors
  - Raised floors do not have to be used in a computer room but many computer rooms do have them. When they are used they must be correctly engineered
- Racks and computer room layout
  - One of the most important considerations in the design of the data centre is the choice of racks and the layout of the computer room. If the correct rack configuration and layout is chosen it will help to improve the efficiency of the room and reduce the running costs

### Course content

- Air conditioning
  - Understanding the principles of cooling, different types of system and the issues affecting cooling capacity and minimising energy consumption
- Power
  - Exploring the components of the Power systems and their function. How we make a more reliable data centre
- Grounding, Earthing and Bonding
  - An explanation of the reasons for earthing ground and bonding and the specific needs in a data centre.
- Fire Alarm and Suppression
  - Options for detecting fire, providing alarms to warn occupants of the danger and suppression systems to extinguish the fire
- Cabling
  - The fundamental components of cabling, some issues with high speed networking and the principles of cabling design.

### Get certified

If you complete this course and pass the exam you will be awarded a certificate and the right to use the DCP logo and the DCP designation after your name whilst your certificate is valid.

### Praktische informatie



**Kosten**  
€ 1430,-



**Studieduur**  
2 dagen



**Lestijd**  
09.00 - 17.00 uur



**Lesplaatsen**  
Amersfoort of Brussel



**Minimale groepsgrootte**  
6 personen

Bezoek onze website voor meer informatie over actuele cursusdata. Inschrijven kan via het online inschrijfformulier.

#### Cursus op maat

Kannegieter College kan deze cursus incompany verzorgen op elke gewenste locatie in Nederland of België. Ook is het mogelijk dat deze cursus in het Engels gegeven wordt. U kunt hiervoor een "cursus op maat" aanvragen via [info@kannegieter.be](mailto:info@kannegieter.be)

Op al onze cursussen zijn de Algemene Leverings- en Betalingsvoorwaarden van Kannegieter van toepassing evenals de Algemene Voorwaarden van Kannegieter College.