

The background of the entire page is a light gray network diagram. It consists of numerous small, semi-transparent gray dots (nodes) connected by thin, light gray lines (edges). The nodes are scattered across the page, and the lines form a complex, interconnected web of triangles and polygons, creating a sense of a digital or networked environment.

**NetworksCentre.**  
Training Academy

Data Centre Design  
Consultant (DCDC)



**Hello and Welcome to the Networks Centre Training Academy.**

To enhance our range of BICSI courses, we are now pleased to offer the DC102 Data Centre Design Consultant accreditation.

The course is built around the ANSI/BICSI 002/2019 standard, which is considered to be the foundation standard for data centres around the world.

Covering topics from site location to planning DCIM, the DC102 professional will be able to design a data centre from the ground up.

Our state of the art training facility in Horsham is waiting to welcome you!

A handwritten signature in black ink, appearing to read 'Keith Sawyer', written in a cursive style.

Keith Sawyer  
*Technical Services Director*





## Contents

Contents	1.
Why BICSI DCDC?	2.
DC102	3.
<i>Applied Data Center Design and Best Practices</i>	
Suggested Study to Achieve Qualification	4.
DCDC Test Preparation Course	5.
ANSI/BICSI 002/2019 Standard	6.
<i>Data Center Design and Implementation Best Practices</i>	
Networks Centre Training Academy Company Profile	7.
Where to Stay & Local Amenities	8.
Notes	9.

## Why BICSI DCDC?

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Due to the push for greater capacity, increased efficiency and higher levels of utilisation, data centres have become more complex to design and bring online. Today's data centre designers are often required to possess knowledge in mechanical, electrical and telecommunications systems, as well as being familiar with the other needs of a data centre, such as reliability, security and building requirements.

The BICSI DCDC credential recognises those individuals who have demonstrated both the skill and ability to apply knowledge over the multiple facets within data centre design. Prospective candidates for the designation are individuals involved in the planning, implementing and making of critical decisions regarding data centres. Data centre, IT, facility or project managers, architects, engineers, designers, consultants and those planning to enter careers in the data centre design, construction or maintenance fields all would benefit from earning the credential.

The BICSI DCDC course serves as a career path for those seeking advanced knowledge in this area.

### Recommended Experience:

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DC102 is designed for those who have a minimum of two years experience in data centre design and/or construction. If you do not meet the experience requirements, BICSI strongly recommends that you complete the Introduction to Data Center Design online course prior to enrolling in DC102.

**HOW DO YOU  
COMPLETE  
THE COURSE?**



The DCDC credential is achieved by passing a comprehensive knowledge-based exam.

## DC102: Applied Data Center Design and Best Practices

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BICSI's DC102: Applied Data Center Design and Best Practices course is a five-day course that provides an in-depth review of best practices for designing data centres. In this course you will be introduced to various data centre infrastructure systems. In addition, you will have an opportunity to apply what you have learned by engaging in case studies, discussions and real-world scenarios, as well as gain practical application in data centre design best practices. After completing this course, you should be able to design a data centre based on a set of given requirements; this will include both new and retrofit designs.

In addition to data centre design, the course will also include life safety practices such as grounding and bonding to ensure that you can account for these issues when designing a data centre. On the last day of the course, you will be able to evaluate your learning through a final project and a comprehensive course assessment.

### Course Highlights:

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The DC102 course will address the following areas:

- Data centre design process
- Site location
- Building and support spaces
- Computer room layout
- Electrical systems
- Bonding and grounding (earthing)
- Mechanical systems
- Telecommunications and IT
- Ancillary systems
  - Security systems
  - Fire protection systems
  - Building automation systems (BAS)
  - Lighting
- Security plan
- Commissioning

## WHAT'S GREAT ABOUT THIS COURSE?



A variety of hands-on exercises, including a final group project, will help reinforce material and prepare students for real-world scenarios.

## Required Materials:

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- ANSI/BICSI 002/2019 Standard
- Laptop or tablet

## Suggested Study To Achieve Qualification:

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- DCDC Online Test Preparation Course
- DC102: Introduction to Data Center Design - (online)
- DC102: Applied Data Center Design and Best Practices
- 125-plus hours of study from the above referenced materials

## Key Areas for Concentrated Learning:

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- Architectural & Space Planning
- Site Selection
- Electrical Systems
- Mechanical Systems
- Information Technology
- Commissioning
- Data Centre Operations
- Design Process
- Risk Analysis
- Ancillary systems
  - Security systems
  - Fire protection systems
  - Building automation systems (BAS)
  - Lighting

## READY TO SIT THE EXAM?

Before taking the exam, you must meet the prerequisite requirements and be approved by BICSI.

### Prerequisite Requirements:

A minimum of two years of approved and verifiable experience in the field of data centre design and/or construction. Experience must be within the last six years.

Applications can be completed online at [www.bicsi.org](http://www.bicsi.org).

## DCDC Test Preparation Course

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### Comprehensive Online Preparation for the DCDC Exam

Studies suggest that test preparation courses can help raise a test score by up to 25 percent. The official BICSI DCDC Online Test Preparation Course is more than just you, a computer and a series of questions. BICSI has designed this comprehensive package to give you access to the highest quality training materials available, from flash cards to videos and more. The DCDC Online Test Preparation Course provides everything you need to help you be successful on the DCDC exam.

### Course Highlights:

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- Comprehensive study guide with an overview of test-taking tips and strategies
- Interactive games and activities to help zero in on key concepts from the ANSI/BICSI 002/2019 standard
- Over 200 flashcards to help test your memory of each chapter in the ANSI/BICSI 002/2019 standard
- Video tips from expert DCDCs in the field
- 100% online course designed for learning at your own pace

Once purchased, these materials will be available to you for the life of the manual.

### Required Materials:

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- ANSI/BICSI 002/2019 Standard
- Laptop or tablet

## WHO WILL BENEFIT?

This course is designed for candidates who are preparing to take the DCDC exam in the next 6-12 months; therefore, this course is not intended for beginning learners. The ideal candidate for this course has two years of experience in the design and/or construction of data centres and has completed DC101: An Introduction to Data Center Design and DC102: Applied Data Center Design and Best Practices.

Please note: While completion of these courses is not a requirement for enrolment in the DCDC Online Test Preparation Course, it is highly recommended.

## ANSI/BICSI 002/2019: Data Center Design and Implementation Best Practices

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Considered the foundation standard for data centre design around the world, ANSI/BICSI 002/2019 continues its mission to provide requirements, guidelines and best practices applicable to any data centre.

Now featuring 500 pages of content, the 2019 edition of BICSI 002 focused on adding or expanding information on:

- The BICSI Availability Class Structure for all major aspects of data centres
- Modular and “container” data centres
- DCIM and building systems
- DC power
- Hot and cold aisles
- Multi-data centre architecture and data centre service outsourcing
- Energy Efficiency

While a focus was made on these and other recent developments, the international team of over 50 experts from all disciplines within data centres also reviewed the existing content to reflect changes and developments in the major data centre markets.

### WHO WILL BENEFIT?

Given the comprehensive nature of BICSI 002/2019, you will find benefit in purchasing BICSI 002. Whether you are:

- Anyone involved in planning, implementing, operating and making critical data centre decisions
- Architects
- Data centre professionals
- Designers
- Engineers
- Facility managers
- IT professionals
- Project managers
- Telecommunications professionals



## Networks Centre Company Profile

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Networks Centre is one of the UK's leading Distributors of end-to-end Network Infrastructure offering a range of services and solutions:

- Data Centre Solutions
- Enterprise Networks
- Industrial Connectivity
- Intelligent Infrastructure
- Training Services
- Wireless and Security
- CISCO Solutions
- UPS Systems
- Test & Measurement
- Hire & Lease

For more information visit [www.networkscentre.com](http://www.networkscentre.com)

### How to find us:

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Networks Centre Training Academy is based in Ashington near Pulborough, West Sussex. We're 35 minutes from Gatwick Airport and an hour from London.

#### Our Head Office address is:

Networks Centre Training Academy,  
Head Office,  
Bentley House,  
Wiston Business Park,  
London Road,  
Ashington,  
West Sussex,  
RH20 3DJ

#### Travelling by road

Networks Centre is located in Ashington near Pulborough in West Sussex. For Sat Navs use postcode RH20 3DJ

#### Travelling by air

We're located 30 minutes from Gatwick Airport. Leave Gatwick on the M23 southwards leaving at Junction 11 onto the A264, then onto the A24 towards Worthing.

#### Travelling by train

Pulborough has direct links from London Victoria, and Gatwick Airport. Once at Pulborough station, take a short taxi ride to Networks Centre Training Academy.

## Places To Stay

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West Sussex provides a host of Hotels and B&B's located near local amenities & transport hubs. We understand the importance of comfort and location whilst training. Networks Centre Training Academy recommends a selection of accommodation situated near our facility. We advise all individuals to book in advance to secure your preferred option. The below are featured just as a sample of the many hotels and B&B's to suit all tastes in the area.

### The Roundabout Hotel

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The Roundabout Hotel is located 10 minutes away from Networks Centre Training Academy. This 4-star country hotel in a Tudor-style home is incredibly comfortable offering 24 en-suite rooms, each with its own individual character and the best in modern amenities, including flatscreen televisions and WI-FI.

To book, contact The Roundabout Hotel on:

+44 (0) 1798 817 336

[www.roundabout.southcoastinns.co.uk](http://www.roundabout.southcoastinns.co.uk)



### The Old Tollgate Hotel

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The Old Tollgate is a 10 minute drive from Networks Centre Training Academy. This 3-star hotel offers free WI-FI and on-site parking with rooms providing en-suite bathrooms.

To book, contact The Old Tollgate Hotel on:

+44 (0) 1903 879 494

[www.oldtollgatehotel.com](http://www.oldtollgatehotel.com)



## CONTACT INFORMATION

We're here to help!

Networks Centre Training Academy has a dedicated Customer Service team who can advise on hotel bookings and local services.

+ 44 (0) 1403 754233

[training@networkscentre.com](mailto:training@networkscentre.com)

[www.networkscentre.com](http://www.networkscentre.com)

**NetworksCentre.**  
Training Academy

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