



DC102: Applied Data Center Design and Best Practices

Course Objective

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 centers. In this course you will be introduced to various data center 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 ICT data center design best practices. After completing this course, you should be able to design a data center based on a set of given requirements; this will include both new and retrofit designs.

In addition to data center 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 center. 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 Contents

Topics covered include:

- Data center 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

Who Should Attend?

Data center professionals including IT, telecommunications, facility and project managers, architects, engineers, designers and consultants and anyone involved in the planning, implementing, operating, and making of critical decisions regarding data centers can benefit from this course.

The size, number and reliance upon data centers worldwide is growing. With demand for qualified professionals to support this multibillion dollar industry out-pacing current supply, this class provides the foundation necessary to succeed in today's market.

What Are the Prerequisites and Preparation Required?

DC102 is designed for those who have a minimum of **two years of experience in data center 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.

Course Materials:

For all DC 102 classes beginning on 26 August 2019, all students must purchase the ANSI/BICSI 002-2019 Standard prior to attending class and bring it with them each day of the class.

The standard is not included in the course fee. Students must also bring a laptop or tablet to class each day.

Can I Earn Credit?

You will earn 33 Continuing Education Credits (CECs) for successfully completing the program.

What is the Attendance Policy?

Participation in all originally scheduled days of the program is mandatory in order to receive the certificate of completion and 33 CECs.

Participants who fulfill the attendance requirement will receive a certificate of attendance at the end of the program. **Please note that this is not the DCDC Certification**, which requires a special exam application

Event (DC 102: Applied Data Center Design and Best Practices)

Dates

Start:	23 April 2021	8.00 AM
End:	27 April 2021	5.00 PM

Location

Holiday Inn Singapore Atrium @Outram

For more information, please email to bicsisea@bicsisea.org or visit the website at www.bicsisea.org

Remarks: The course content & venue are subjected to change without further notice.

Course Title: BICSI DC102: Designing Telecommunications Distribution Systems

PART A: PERSONAL PARTICULARS

*Delete where applicable

Name (Dr/Mr/Ms/Mdm): _____

Date of Birth (DD/MM/YYYY) ____/ ____/ _____ Gender: *Male/Female

Address: _____

_____ Postal Code _____

Contact Number: _____ (Res.) _____ (HP)

Email: (1) _____ (2) _____

Are you a BICSI member? *Yes/No. If 'Yes', please provide the following:

Membership No: _____ Join Date: _____

Remarks (special assistance requirement): _____

PART B: CURRENT EMPLOYMENT DETAILS

Name of Company: _____ Designation: _____

Company Address: _____

_____ Postal Code _____

Contact No: _____ (DID) _____ (Fax) Years of experience: _____

FOR MAKING PAYMENTS, kindly make wire transfer to the below mentioned bank detail:

Company Name	: J + R Private Limited
Bank Name	: United Overseas Bank Limited
Branch	: UOB Branch - Tai Seng Branch 30 Tai Seng Street #01-01 BreadTalk HQ Singapore 534013
Account no	: 310-901-545-6
Swift Code	: UOVBSGSG
Bank Code	: 7375
Branch Code	: 004

* Pls email the registration form to bicsisea@bicsisea.org