9-Months Part-Time Course on

**Specialist Diploma in MEP Modularisation (SDMM)**

The capability of the MEP (Mechanical, Electrical and Plumbing) sector of the construction industry must be enhanced to contribute to the increase in productivity.

SDMM in MEP Modularisation (SDMM) aims to equip MEP professionals and contractors with the knowledge and good practices of off-site planning, designing and installation of Modular MEP Systems (MMS).

**CPD Points**

- PEB: Pending
- IES-ACES *(RES/RTOs)*: Pending

**1st Run:** Starting on 24 Jul 2018  
Application closing: 31 May 2018

**Venue:** BCA Academy

To register, [CLICK HERE!](#)
2-Day Workshop on Essentials of European Standard EN 81-20 for Lifts - Interpretation and Rationale

The EN 81-20 is the new European Standard regulated by the European Committee for Standardisation (CEN) aims to improve accessibility, safety and comfort for lift passengers and those required to service lift installations.


This workshop will explain the safety requirements under the European Standard EN 81-20.

**CPD Points**
PEB: Pending  
BOA-SIA: Pending

**Dates:** 5 & 6 Jul 2018  
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
2-Days Workshop on
Technical Design of Mass Engineered Timber Structures Using Eurocode 5

As part of the effort to improve construction productivity, BCA strongly encourages the adoption of Mass Engineered Timber (MET) in Singapore. There is a need to train the industry to be familiar and confident in designing of MET structures using Eurocode 5 (ECS).

This workshop will cover the various design considerations and requirements under ECS and also enables the participants to apply EC5 in the technical design of MET.

**CPD Points**
PDB: Pending
IES-ACES (REs/RTOs): Pending

**Date:** 9 & 10 Jul 2018  
**Venue:** BCA Academy

To register, **CLICK HERE!**
3-Day WSQ course on
Manage Financial Resources for WSH

Manage Financial Resources for WSH is one of the modules (competency units) of the Specialist Diploma in WSH programme. This module is now offered as a standalone module for the benefit of those who wish to learn about managing financial resources in projects in relation to workplace safety and health (WSH).

This unit of competency aims to offer the knowledge, skills and attitudes required of a WSH Personnel to manage financial resources in relation to WSH projects for the organization.

**CPD Points**
Peb: Pending
IES-ACES (REs/RToS): Pending
WSH-CPD (WSH Officers): Pending

1st Run: 12, 13 & 17 Jul 2018

To register, CLICK HERE!
1-Day Course on
Application for Temporary Occupation Permit / Certificate of Statutory Completion

Having buildings completed and handed over to the owner on time is contractually important. Stakeholders should strive for minimum deviations from the approved building plans and Written Permission to avoid any delay during the TOP/CSC application.

The course aims to equip participants with the knowledge on:
• procedure in the application for TOP/CSC,
• technical and administrative requirements in connection with TOP/CSC application and
• common non-compliance and trends in the building works that are found during the TOP/CSC inspection.

CPD Points
PEB: Pending
BOA-SIA: Pending
IES-ACES (REs/RTOs): Pending

6th Run: 8 Jun 2018
Venue: BCA Academy

To register, CLICK HERE!
2-Day course on

**Design of Steel Structures using Eurocode 3**

This course is aimed at providing civil and structural engineers a good understanding of the general rules, main features and changes contained in Eurocode 3 and the accompanying Singapore National Annexes. Reference will be made to the accompanying codes EC0 (Basis of Structural Design) and EC1 (Actions on Structures).

The course will cover the basis of structural component and frame design, structural loading, material properties, design at the ultimate limit state and the serviceability limit state. Practical examples with direct reference to the code clauses will be used to illustrate the application of the code requirements. Case studies are provided to illustrate clearly the theory of structural stability and design and how they can be applied to avoid structural collapse.

**CPD POINTS**

**PEB:** Pending  
**IES-ACES (RES/RTOs):** Pending

**10th Run Date:** 13 & 14 Jun 2018  
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
2-day Workshop on

Fire Design of Concrete and Timber Structures to Eurocode 2 and Eurocode 5

The performance of buildings under fire condition has attracted significant attention in recent years. This course will provide participants with the essential background for fire design of concrete and timber structures. Both behaviour and design aspects related to ambient and structural fire design of concrete and timber structures will be covered.

At the end of the course, participants should be able to:

a) Understand the provisions in Eurocodes for fire design of concrete, composite and timber structures
b) Understand the basic principles and design aspects of wood related to ambient design of timber structures
c) Learn the Eurocode 2 and Eurocode 5 applicability of ambient and fire design provisions in practical scenarios

CPD Points
PEB: Pending
BOA-SIA: Pending
SCDF: 10 FSE CPE Hours

2nd Run: 12 & 13 Jul 2018
Venue: BCA Academy

To register, CLICK HERE!
2-Day Workshop on
Performance-Based Design for Fire Safety – Smoke Control Design

High rise buildings are provided with smoke control ventilation to allow occupants safe passage to evacuate or clear the smoke during fire. The interaction between efficiency of evacuation and smoke control system forms part of the performance-based fire safety design.

This workshop aims to provide participants an understanding of various strategy for evacuation, design of escape routes and their efficiency such as simultaneous and phased. Design of smoke control system for various purposes including means of escape will be discussed.

**CPD Points**
- SCDF: 10 FSE-CPE hours
- PEB: Pending

6th Run Date: 7 & 8 Aug 2018
Venue: BCA Academy

To register, CLICK HERE!

Eligible for SkillsFuture/e2i funding (T & C apply)
2-day Workshop on

Designing and Constructing CLT & Glulam Structures

Cross Laminated Timber (CLT) and Glued Laminated Timber (Glulam) are engineered wood systems which have been identified as innovative products that can raise construction productivity. Such systems offer greater design flexibility, rapid installation, and waste and weight reduction as seen in many construction projects overseas. In the local scene, the industry has become more aware of the benefits of such technology, with a number of CLT/Glulam projects in the pipeline. In order to gain real traction for its adoption, the various considerations such as humidity, performance, termite protection, building envelope design and fire safety regulations have to be addressed.

This 2-day workshop aims to elevate the knowledge and skill of the participants in the design and construction of CLT and Glulam structures. It will address the various considerations which may have caused reservations in its adoption.

The workshop will also include a site visit to a 4-storey office building at Gul Street constructed using CLT and Glulam to enhance the learning experience.

**CPD Points**

*PEB:* Pending

*BOA-SIA:* Pending

**4th Run Date:** 16 & 17 Aug 2018  
**Venue:** BCA Academy & Site Visit

To register, [CLICK HERE!](#)

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For enquiries or feedback, please email us at [bca_academy@bca.gov.sg](mailto:bca_academy@bca.gov.sg). For more information, visit the [BCA Academy's website](#) now for other seminars/courses details.