Eligible applicant can tap on SkillsFuture initiatives for BCA Academy courses (T&C apply)

- **SkillsFuture Study Award** – up to $5,000 for out-of-pocket expenses
- **SkillsFuture Credit** - $500
- **Mid-Career Enhanced Subsidy** – up to 90% of course fee

Applicant needs to register for the course and apply for the relevant SkillsFuture initiative accordingly. Please click on the respective SkillsFuture initiative above for further details.
2-day course on

BIM for Structural Design and Detailing

In recent years, the built environment sector has seen significant transformation from 2D drafting to 3D modelling. While the Civil and Structural (C&S) BIM e-submission is gaining traction, structural calculations are still generated in PDF to justify the sizes of load bearing elements. It is vital that structural engineers adopt integration of physical and analytical models to maximize the benefits of BIM.

This 2-day programme will enable participants to understand the basics of Software Development Kit (SDK) and Application Programming Interface (API) used by BIM authoring tools and analysis engines in data exchange. Through hands-on sessions conducted by practising PE, participants will be able to perform single data exchange mapping using BIM and structural analysis and design software. In addition, structural detailing in relation to both concrete and steel connections will be discussed, including how these are presented using schedules, hybrid and 3D detailing methods.

CPD Points
PEB: 12 PDUs

Date: 27 & 28 Jun 2017
Venue: BCA Academy

To register, CLICK HERE!
1-Day Course on **Good Industry Practices** for:

1) Timber Doors, Wardrobe & Kitchen Cabinets – 13 Jun 2017  
2) Painting – 20 Jun 2017  
3) Aluminium Window – 18 Jul 2017

To meet the rising expectation of homeowners, the *Quality Mark (QM)* Scheme was launched in July 2002 to propel the industry workmanship standards to a greater height. A series of “Good Industry Practices” courses were developed to share with the industry the good practices in respective areas.

**CPD Points**  
Refer to respective brochure for details

**Venue: BCA Academy**

To register for  
Timber Doors, Wardrobe & Kitchen Cabinets, [CLICK HERE](#)  
Painting, [CLICK HERE](#)  
Aluminium Window, [CLICK HERE](#)
1-Day Course on
Design of Bolted and Welded Joints in Steel
Buildings using Eurocode 3

Connections form a very important part of any steel structure and integrity of the structure depends on them. Accurate details and specifications are required for fabrication to ensure trouble-free erection. The workshop will focus on connection design specifications as per the new Eurocode 3: Part 1-8: Design of joints. Results of recent research on steel connections detailing and fabrication will also be introduced. The course will be taught with practical examples of connection designs which are reliable as well as economical.

**CPD Points**
PEB: 7 PDUs
IES-ACES (REs/RTOs) – Pending (Structural)

9th Run Date: 21 Jun 2017
Venue: BCA Academy

To register, [CLICK HERE](#)
5-day Course on Lift and Escalator Course for Engineers

This course aims to deepen the understanding of practising engineers in the examination, inspection and testing of lifts and escalators.

Professional Engineers in Mechanical or Electrical Engineering discipline should attend this course. Other technical professionals working in the lift and escalator industry who wish to gain knowledge in lift and escalators may also attend the course.

CPD Points
PEB: Pending

5th Run Dates: 29, 30 Jun, 3 & 4 Jul 2017 (Theory)
6 & 7 Jul 2017 (Practical)
14 Jul 2017, 9am – 10am (Assessment)

Venue: BCA Academy/ITE College East

To register, CLICK HERE!
8-Evening course on

**Supervision of Deep Underground Construction Works**

In recent years, there have been more deep underground construction works in Singapore. Other than MRT stations and tunnels, Singapore is also moving towards rock cavern construction. Remarkable cavern projects include the Underground Ammunition Facility, opened in 2008 by the Singapore Armed Forces; and the Jurong Rock Caverns, opened in September 2014.

With this trend and development, industry professionals need to be trained to supervise deep underground construction works. This course aims to equip site personnel with the knowledge of earth retaining or stabilising structures and deep underground excavation so as to raise their competency to supervise deep construction works safely.

**CPD POINTS**
PEB: 24 PDUs
IES-ACES *(for REs/RTOs): 12 STU (Structural)*

4th Run: 3, 5, 7, 10, 12, 14, 17 & 19 Jul 2017

**Venue:** BCA Academy

To register, [CLICK HERE](#)!
1/2-day course on **Code of Practice on Buildability**

This half-day course aims to enable the participant to understand the principles in computing buildability score, types of project affected by buildable design legislation and the minimum scores to comply.

- Introduction to the Code of Practice on Buildability
- Principles of buildability and BDAS
- Differences among the different editions of Code of Practice
- Frequently made mistakes in computing buildability scores
- Examples of buildable projects
- Examples of how buildability scores are computed and exercises

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

**Event Date:** 7 Jul 2017 (am)
**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

9th Run Date: 10 & 11 Jul 2017

Venue: BCA Academy

To register, [CLICK HERE!](#)