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](#)!
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: Pending

Date: 11 & 12 Jul 2017
Venue: BCA Academy

To register, CLICK HERE!
2-day Workshop on
BUILDING SERVICES AND THEIR COMMISSIONING

Building Services engineering brings a building to life, have a profound impact on different aspects of building performance such as end-user satisfaction, environmental impact, maintenance and utilities cost, as well as business continuity. In the modern built environment, clients require their projects to be delivered on time and within budget. Clients also want assets to be operationally-ready at handover, facilities that perform to suit their required function and buildings with high levels of performance over the long-term. A correctly executed commissioning process for Building Services is crucial to achieving these outcomes.

LECTURER
GLENN HAWKINS, Founder, Clear Construction, UK
Glenn is a degree-qualified engineer with extensive experience on major international construction projects. He has over 30 years’ experience of working with construction project teams. The work has involved delivering projects, studying projects, writing about project delivery and training project professionals. Glenn is also a qualified commissioning process provider. He also author of several high-quality publications on project management, commissioning management and performance improvement in the construction industry.

CPD Points
PEB: Pending
BOA-SIA: Pending

Date: 14 & 15 Sep 2017
Venue: BCA Academy

To register, CLICK HERE!
Half-Day Course on

Building Control Regulations for Site Supervisors

Jointly organised by BCA Academy, the Joint Accreditation Committee (JAC) of Institution of Engineers Singapore (IES), and Association of Consulting Engineers Singapore (ACES), this course aims to equip newly accredited site supervisors on Singapore’s legal framework for building construction and building control regulation requirements.

**CPD Points**

PEB: 3 PDUs
WSH-CPD *(for WSH officers)*: 4 SDUs
IES-ACES *(for REs/RTOs)*: Pending *(Safety/Structural)*
SPM: 2 CPD Points

45th Run Date: 5 Jul 2017 (am)
Venue: BCA Academy

To register, [CLICK HERE](#)!
3-Day Course on Solar Modelling

Participants will learn the concept of solar geometry in the context of different climate zones, sun path diagrams and stereographic projections as a means to understand and read solar geometry and use Ecotect as a tool to demonstrate the impact of solar geometry on building facades and in turn the indoor space.

Topics:
- Solar Position and Sun Path
- Concepts of Sunlight and Daylight
- Concepts of Sunlight and Daylight
- Integrated Environmental Solutions (IES) and its Modelling Capabilities
- Sunlit Hours and Envelope Heat Gain
- Thermal Gains in Building and Thermal Comfort

CPD Points
PEB: Pending
BOA-SIA: Pending

22nd Run Date: 13, 14, & 17 Jul 2017
Venue: BCA Academy

To register, CLICK HERE!
4-Evening **Certification Course**
**For Site Investigation Supervisors**

As part of the accreditation requirements for site investigation firms, site investigation supervisors of the firms are required to undergo a training course on site investigation.

This course will educate the site investigation supervisors on Singapore’s geological background, roles and responsibilities of the supervisors, various methods of soil sampling and field testing methods and good practices in investigation works. This course is jointly organised by BCA Academy and LTA Academy and supported by GeoSS. Upon successfully completing the course, participant can be registered as “Certified Site Investigation Supervisor” with GeoSS.

**CPD Points**
- **PEB**: Pending
- **IES-ACES (for REs/RTOs)**: Pending (Structural)
- **WSH-CPD (WSH officers)**: 13 SDUs

**19th Run Date**: 24, 25, 31 Jul & 1 Aug 2017
**Venue**: BCA Academy/LTA Academy

To register, [CLICK HERE](#)
2-Day Workshop on Lean Construction Management
Managing Workflow and Achieving Plan Reliability

Lean construction, a philosophy based on the principles of lean manufacturing, is about managing the construction process to improve project performance. It is about focusing on the reduction or elimination of wastes to maximize value for project delivery process while meeting customer satisfaction. Studies have shown that the application of Lean construction in project delivery process had resulted in up to 30% gains in productivity and profitability, and 20% reduction in project cycle time.

In this Workshop, participants will learn about the principles and tools which could lead to an increase in reliability of the planned schedule and improvement of workflow efficiency. Specifically, the tool could help to identify problems, constraints and interference early, hence increasing effective collaboration among all project participants.

**CPD Points**
PEB: Pending

**4th Run Date:** 25 & 26 Jul 2017
**Venue:** BCA Academy

To register, CLICK HERE!

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