6-Month Part-time Course on
Graduate Certificate in Workplace Safety and Health

The Graduate Certificate in WSH course aims to prepare WSH officers and other WSH personnel in construction industry to be competent WSH auditors or perform the role of an advisor in WSH matters. It is designed to equip participants with the necessary skills and knowledge in legal requirements, planning, implementation, control & reviewing of WSH management system as well as communication and relationship management at managerial level.

CPD Points
WSH-CPD: Pending (for WSH officers)

Date: From 11 Nov 2013 – 29 May 2014
(Registration closing date: 31 Oct 2013)

To register, CLICK HERE!

Course Fee Subsidy is Available

4-Evening Course on Pile Foundation Design and Construction for Engineers

All structures are to be supported on sound foundation for their safety and subsequent performance. A good understanding of the pile foundation design principles and construction practices is essential for every practitioner, designer, builder and supervisor involved so that structures will be built and maintained safely throughout the life of the structure.

This course aims to provide participants with an insight into the engineering principles of pile foundation design as well as good construction practices adopted locally with special emphasis on cast-in-place reinforced concrete bored piles in compression.

CPD Points
PEB: 12 PDUs
IES - ACES (for REs & RTOs): 12 STUs

Date: 19, 21, 26 & 28 Nov 2013
To register, CLICK HERE!
3-Evening Workshop on **Site Management of Precast Concrete Construction**

Good site management practices and planning of precast concrete construction activities such as on-site/off-site casting of precast members, transportation of the members to site, erection and construction considerations would contribute to more efficient, less labour intensive and faster construction. This would eventually lead to better construction productivity.

This interactive workshop provides construction managers with practical knowledge in the planning, execution and control of precast concrete construction. At the end of the programme, participants will be able to plan and manage precast concrete construction site activities effectively.

**CPD Points**

PEB: 9 PDUs  
WSH-CPD *(for WSH officers)*: Pending  
IES - ACES *(for REs & RTOs)*: 9 STUs  
SPM: 4 CPD Points

**Date:** 25, 28 Nov & 2 Dec 2013  
To register, **CLICK HERE!**

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2-day Workshop on **Protection against Lightning for Buildings**

Singapore experiences the highest incidence of lightning strikes in the world. These lightning strikes have caused major disruptions to main systems equipment and considerable damage to building structures.

The 2-day workshop will provide participants with an understanding of the effects of lightning and various lightning protection methods for building structures. It will also cover various analytical methods for the performance assessment of lightning protection systems. *The new Singapore Lightning Protection Code SS 555:2010 which is mandatory for building structures in Singapore will be discussed.*

**CPD Points**

PEB: 14 PDUs

**Date:** 27 & 28 Nov 2013  
To register, **CLICK HERE!**
2-Day Course on **Design of Steel Buildings 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: 14 PDUs
- IES & ACES *(for REs & RTOs)*: 12 STUs

**Date:** 28 & 29 Nov 2013
To register, [CLICK HERE!](#)

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Half-day Course on **Best Practices for Green and Gracious Builder**

This half-day course consists of lecture conducted at BCA Academy followed by visit to a site by Green and Gracious Builders Award (GGBA) winner. It will serve as a platform to share the best green and gracious practices gathered from builders in the *Green and Gracious Builder Scheme* (GGBS) to assist participants in addressing environmental concerns and mitigating possible inconveniences to the public caused by construction works.

**CPD Points**
- IES-ACES *(for REs/RTOs)* – Pending

**Date:** 2 Dec 2013
To register, [CLICK HERE!](#)
4-Evening Course for
Site Investigation For Engineers

This course will provide practicing engineers a good insight into the importance of geotechnical site investigation and its process. Participants will also learn to interpret soil investigation reports to ensure safety of geotechnical works and surrounding structures.

CPD Points
PEB: Pending
IES-ACES (for REs/RTOs) – Pending

Date: 10, 12, 17 & 19 Dec 2013
To register, CLICK HERE!

For enquiries or feedback, please email us at bca_academy@bca.gov.sg. Visit the BCA Academy’s website now for other seminars/courses details.