11-evenings Certification Course for **Structural Steel Engineers (StEr)** based on Eurocodes 3 & 4

This course, jointly conducted by BCA Academy and Singapore Structural Steel Society (SSSS), aims to prepare practicing engineers in the design and construction of steel structures based on Eurocodes SS EN 1993 Design of Steel Structures and SS EN 1994 Design of Composite Steel and Concrete Structures.

Successful completion of this course is a **requirement to register as certified Structural Steel Engineer with SSSS for the purpose of meeting manpower requirements under the Steel Fabricators Accreditation Scheme.**

**Accreditation**
PEB: Pending
IES-ACES (for REs & RTOs): 12 STUs

**Date:** 6 Aug – 14 Sep 2012
To register, [click here!](#)
Half-day BCA-NUS Joint Seminar on

Effective Strategies To Raise Construction Productivity – Automation, Constructability & Smart Concreting

As part of the overall initiatives to improve construction productivity, this seminar, jointly organised by BCA and NUS, will focus on the potential of innovative materials, automation and robotics technologies for increasing the existing level of construction productivity in Singapore.

Accreditation
PEB: 3 PDUs
BOA-SIA: 2 CPD Points
IES-ACES (for REs & RTOs) : 3 STUs

Date: 7 Aug 2012
To register, click here!

3 ½ Day Certification Course on Measurement & Verification of Central Chilled-Water Plant Efficiency

One of the pre-requisite requirements in Green Mark for New Non-Residential Buildings version 4, which came into effect on 1st December 2010, calls for the provision of permanent measuring instruments for measuring chilled-water plant thermal load and energy use and for calculating chilled water plant efficiency.

This course will equip participants with the knowledge and skills required to implement Measurement and Verification (M&V) measures in central chilled-water plants in conformance with Green Mark version 4 and the relevant international standards.

Accreditation
PEB: 24 PDUs

Date: 13, 14, 15 & 22 Aug 2012
To register, click here!
Certificate in **Gas Technology**

This course covers the current technical and safety requirements for Town Gas and Natural Gas Utilisation work. It is a mandatory requirement for a Diploma holder in Mechanical Engineering who is interested in becoming a Licensed Gas Service Worker.

Participants will acquire the necessary technical and safety knowledge for good town gas and natural gas utilisation practices. Successful completion of this Gas Technology course is one of the requirements stipulated by EMA for any course participant who wishes to be a Licensed Gas Service Worker (LGSW).

**Date:** 14 Aug – 15 Sep 2012  
To register, [click here!](#)

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**1-day Seminar on Green and Gracious Construction Practices Seminar 2012**

The **Green and Gracious Builder Scheme** aims to raise the environmental consciousness and professionalism of builders. It is also a benchmark of a builder’s corporate social responsibility to the environment and public. Together with the BCA Green Mark Scheme, this scheme forms part of the holistic framework to shape a sustainable built environment for Singapore.

The Green and Gracious Construction Practices seminar provides a platform for government agencies and Green and Gracious Builder Award winners to share their best practices. This would assist builders to address environmental concerns and mitigate inconveniences to the public caused by construction works.

**Accreditation**  
PEB: 6 PDUs  
BOA-SIA: Pending

**Date:** 16 Aug 2012  
To register, [click here!](#)
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.

**Accreditation**

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

**Date:** 21, 23, 28 & 30 Aug 2012  
**To register,** [click here!](#)

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2-Day Workshop on **BIM Planning (Building Developers and Facility Managers)**

Building Information Modelling (BIM) allows the building professionals of various disciplines to explore the building project digitally, before it is built. BIM can help to bring about greater integration and collaboration among the developers, designers, builders and fabricators across the construction value chain.

Starting with architectural BIM e-submissions in 2013, BCA will mandate electronic submissions in BIM format for architectural, structural and M&E plans of building works for regulatory approval by 2015. This 2-Day BIM Planning Course is designed to address BIM uses and approaches for building developers and facility managers.

**Accreditation**

PEB: Pending  
BOA-SIA: Pending

**Date:** 3 & 4 Sep 2012  
**To register,** [click here!](#)