

Certificate in Concrete Technology

Introduction

With effect from 1 October 2010, for Ready-Mixed Concrete (RMC) Certification, Building and Construction Authority (BCA) will require batching plants to be certified by certification bodies accredited under Singapore Accreditation Council's Accreditation Scheme. This RMC certification will be based on the new Singapore Standards SS EN 206-1 (Concrete – Specification, performance, production and conformity) and SS 544 (Concrete – Complementary Singapore Standard to SS EN 206-1).

This certificate course in concrete technology is jointly organised by the BCA Academy, the Singapore Concrete Institute (SCI) and the American Concrete Institute-Singapore Chapter (ACI-SC) to familiarize technical personnel in the concrete industry with the certification scheme.

Objective

The course is based on the new SS EN 206-1 and its compulsory standards SS 544-1 & 2. It gives interpretation of these standards and provides guidance to the production and conformity control of concrete. The course is a continuing education and training programme for engineers and supervisors who are involved in the concrete industry. The course will be particularly beneficial for technical personnel working in concrete production and at the construction sites. Developers or design office personnel who wish to understand the new concrete standards or to acquire specialised knowledge in concrete technology will also find this course useful.

Target Audience

Technical, Supervisory or Professional personnel working in concrete production and on the construction sites.

COURSE OUTLINE

LESSON 1

- Introduction
- Constituent materials of concrete
- Properties of concrete
- Production of concrete

LESSON 2

- Mix Design
- Methods of Specifying Concrete

LESSON 3

- Production control (processes)
- Production control systems
- Conformity control

LESSON 4

- General concrete construction systems & applications

Lecturers

MR LU JIN PING *Executive Director, Admaterials Technologies Pte Ltd*

MR JOSEPH LIM *Technical Manager, Island Concrete (Pte) Ltd*

MR TONY YAP *Technical Advisor, High Performance Concrete, WAK Consultants Pte Ltd*

Assessment & Certification

Participants must achieve at least 75% attendance to sit for a 2-hr end-of-course examination. Those who pass the examination will be issued the Certificate of Successful Completion of the course. For those who do not wish to sit for the examination, but have attended 75% of the lessons, will be issued with the Certificate of Accomplishment. This certificate will be issued jointly by the BCAA and SCI/ACI-SC.

Details

Date: 14 & 24 September 2010
6.30pm to 9.30pm

17 & 21 September 2010
6.30pm to 10.00pm

28 September 2010
2.00pm to 4.00pm (exam)

Duration: 13 hrs + 2 hrs (exam)

Venue: BCA Academy

Fees: \$588.50 (inclusive of GST)
S\$31.50 (Re-test fee)

Accreditation

PEB - Pending

IES - Pending

Entry Requirements

- Minimum 'O' level with at least 5 years full time work experience in construction-related concrete industry in a technical, professional or supervisory position; or
- Minimum 2 years full time work experience in the ready-mixed concrete industry in a technical, professional or supervisory position; or
- Site supervisors accredited by the Joint Accreditation Committee (JAC) of the Institution of Engineers, Singapore (IES) and the Association of Consulting Engineers, Singapore (ACES).

BCA ACADEMY
200 Braddell Road Singapore 579700
Tel: 6248 9999 Fax: 6258 0558
www.bcaa.edu.sg

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Registration Form - Certificate in Concrete Technology

Date: 14 & 24 Sep 2010 (6.30pm to 9.30pm)
17 & 21 Sep 2010 (6.30pm to 10.00pm)

Fee (inclusive of GST): S\$588.50

Re-test fee: S\$31.50

Exam: 28 Sep 2010 (2.00pm to 4.00pm)

PEB IES Please tick accordingly

Venue: BCA Academy

| Name of Participant | NRIC/Passport no. | Designation | HP no. | Email |
|---------------------|-------------------|-------------|--------|-------|
| | | | | |

| Name of Participant | NRIC/Passport no. | Designation | HP no. | Email |
|---------------------|-------------------|-------------|--------|-------|
| | | | | |

| Name of Participant | NRIC/Passport no. | Designation | HP no. | Email |
|---------------------|-------------------|-------------|--------|-------|
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Yes, I would like to receive course - seminar updates via email _____.

Company Name: Company UEN No.:

Mailing Address:

Contact Person Particulars

Name: (Dr/Mr/Mrs/Ms) Email:

Designation: Hp no.:

Telephone no.: Fax no.:

Payment

Enclosed is a cheque no. _____ (Cheque should be crossed, marked "account payee only" and payable to 'BCA Academy') for S\$ _____

OR Deduct from GIRO acc. No _____

(should be the same bank account number as indicated in the Direct Debit Authorisation form submitted to BCA)

.....
Name/Signature (*Company / individual applicant)

Company Stamp
(For company application)

Reservation may be made by fax, e-mail, post or by hand. To confirm the reservation, payment will have to be made before the seminar date via cheque, VISA or Nets/cash. No invoice will be issued. Walk-in applicants will only be admitted on the basis of seat availability and full payment. Please inform us in writing of any change in your registration, which is subject to administrative charges as shown below:

Request for Replacement and/or Withdrawal

- Request for replacement in writing, must reach BCA Academy before the commencement date of the seminar: No administrative charge
- Request for withdrawal in writing, that reaches BCA Academy at least 2 weeks before the seminar date: 90% refund of seminar fee.
- Request for withdrawal in writing, that reaches BCA Academy less than 2 weeks but more than 3 working days before the seminar date: 75% refund of seminar fee.
- Request for withdrawal in writing, that reaches BCA Academy 3 working days or less before the seminar date: No refund of seminar fee.

BCA Academy reserves the right to amend the seminar details or cancel the seminar and fully refund the participants should unforeseen circumstances warrant it.

Enquiries

For enquiries, please call 6248-9999 / 6248-9843 or email us at bca_academy@bca.gov.sg

For details of other seminars and courses, please visit our website @ www.bcaa.edu.sg

Registration

Seats are limited, registration is on a first-come, first served basis. Training places will be confirmed upon the payment of the fees before the commencement date.

Please fax the application form to: 6258-0558

Cheques with original application form should mailed to

BCA Academy, 200 Braddell Road, Singapore 579700

BCA ACADEMY
of the built environment