

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.

OBJECTIVES

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.

CONTENTS

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, Senior Technical
Manager, Island Concrete (Pte) Ltd

MR TONY YAP, Senior Manager, FUZI
Building Solution Pte Ltd

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
- Certificate in Construction Supervision with minimum 2 years full time work experience in the ready-mixed concrete industry in a technical, professional or supervisory position; or
- Degree or Diploma in Construction/Building related courses
- Site supervisors accredited by the Joint Accreditation Committee (JAC) of the Institution of Engineers, Singapore (IES) and the Association of Consulting Engineers, Singapore (ACES).

Copy of the relevant certificates shall be submitted together with the Course Registration Form.

DETAILS

12th Run: 2 & 3 Sep 2020

Duration: 12 hrs + 2 hrs (exam)

Time: 9.00am to 4.30pm (Day 1)
9.00am to 6.00pm (Day 2)

Exam on Day 2 : 4.00pm to 6.00pm

Venue: BCA Academy

Fees (incl of GST): S\$850.00

Refreshments will be provided.

In keeping with our green and sustainable practices, course notes will be available in e-format.

CPD POINTS

PEB: 11 PDUs

ASSESSMENT & AWARD

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. Participants who are not successful in the end-of-course examination will be allowed to sit for retest once. Should the participant fail the retest, he will be issued with a Statement of Attendance.

TARGET AUDIENCE

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



To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/login> or scan QRcode and search for course code **77040**