



## E-LEARNING

100% online. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

### 22nd Run

#### Online Learning via Webinar:

- 27 Oct 2021  
(10.00am to 5.15pm)
- 28 & 29 Oct 2021  
(9.00am to 5.30pm)
- 1 Nov 2021 (9am to 12.15pm)

**Platform:** BCAA Learning Management System (LMS)

#### Course Assessment:

- 2 Nov 2021 (10.00am to 11.00am)

**Venue:** BCA Braddell Campus

**FEE** (incl of GST): S\$1,500.00

### CPD POINTS

BOA-SIA: -  
IES-ACES: -  
PEB: -

## INTRODUCTION

The Certificate in Façade Inspection course is designed to equip participants with essential knowledge and skills in façade inspection. On top of legislative framework and requirements on façade inspection, participants will gain an in-depth understanding of the fundamentals of various façade systems and materials, their particular maintenance needs and inspection methods.

## CONTENTS

- **Importance of Building Maintenance and Inspection**
- **Good Practices on Inspection Procedure and Reporting**
- **Work-at-Height**
  - WSH Act and Applicable Legal Requirements
  - Risk Assessment
  - Employer's Duties
  - Other Considerations
- **Common Accessibility Provision and Safety Checklist**
- **Introduction to Precast Concrete, Masonry and Plaster Façade**
  - Façade System and Technology
  - Façade Failure Case Studies
- **Material Science and Durability from Design Aspects**
  - Typical Defects and Causes
  - Material Specification from Design Perspectives
- **Precast Concrete, Masonry and Plaster Façade Inspection Tools and Procedures**
  - Tools for Façade Inspection
  - Assessment and Recommendation
- **Glass Walls and Others**
  - Fundamentals
  - Deterioration, Failure Modes and Particular Maintenance Needs
  - Assessment / Classification
  - Case Studies
- **Claddings and Canopies**
  - Fundamentals
  - Deterioration, Failure Modes and Particular Maintenance Needs
  - Assessment / Classification
  - Case Studies

## LECTURERS

The course will be taught by industry practitioners and BCA staff.

## TARGET AUDIENCE

This course is targeted at industry professionals who wish to obtain technical knowledge on façade inspection. They include:

- Professional Engineers and Registered Architects
- Resident Engineers and Resident Technical Officers

## ASSESSMENT & AWARD

This course involves assessment. A e-Certificate of Successful Completion (e-CSC) will be issued to participants who fulfill the following requirements:

- Achieve at least 75% class attendance; and
- Score at least 75% for the closed book MCQ test.



### REGISTRATION

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 **79092**