

Certification Course on

BIM for MEP Coordination

INTRODUCTION

With advent of BIM, the design and installation conflicts among construction elements could be effectively identified, visualized and managed with the use of 3D BIM model. Mechanical, Electrical and Plumbing (MEP) coordination has been identified as one of the most complex tasks of the project delivery process. The BIM for MEP Coordination course aims to provide participants with the necessary knowledge and skills on how to achieve MEP spatial coordination through BIM with a greater degree of accuracy and collaboration. A series of hands-on, collaborative exercises will be conducted to simulate the real-world scenario of the coordination process from model review all the way to BIM translation to field. As such, participants are able to familiarize themselves with better, more efficient practices in MEP modelling, coordination, and collaboration, which will ultimately contribute to productivity and minimize reworks on site.

OBJECTIVES

This course enables participants to:

- Understand the benefits and application of BIM for MEP coordination
- Overcome some of the challenges in the traditional MEP coordination process
- Apply best practices in MEP BIM modelling and coordination

CONTENTS

This course has 5 training focuses:

- **MEP MODEL DEVELOPMENT:** To guide participants how to review, verify, and make full use of the BIM model which is passed from the upstream and develop the BIM model to the level of detail required for construction
- **PROJECT SETUP:** To introduce participants to different project team workflows, including “Big-room” and co-location concepts, as well as setting up project standards prior to modelling
- **MODELLING STRATEGIES:** To guide participants on modelling best practices and more efficient workflows
- **COORDINATION:** To train participants the lean process of MEP coordination through BIM as well as the typical issues in coordination and how best to resolve them
- **BIM TO FIELD:** To introduce participants on BIM application and technologies for field installation to reduce human error and mistranslation in actual installation

ASSESSMENT AND AWARD

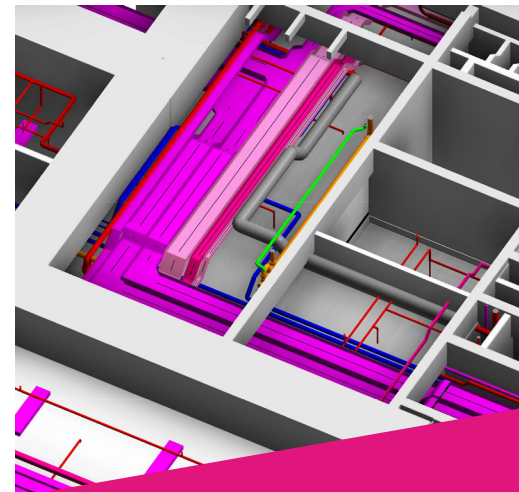
e-Certificate of Successful Completion (e-CSC) will be awarded to participants who meet the attendance requirement and pass the assessment.

PREREQUISITE

Applicants for this BIM for MEP Coordination course should possess BIM MEP modelling experience.



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 **79059**



DETAILS

Date: TBA
 Duration: 2 days (16 hrs)
 Time: 9.00am to 6.00pm
 Venue: BCA Braddell Campus

FEES (incl GST) : S\$925.00

SkillsFuture Singapore (SSG) funding is available for eligible participants as follows:

Singaporeans 40 years old and above OR SME company sponsored Singaporeans or Singapore PRs. Fee payable after 70% funding support	Pending SSG approval (incl of GST)
Singaporeans, Singapore PRs and non SME company sponsored participants. Fee payable after 50% funding support	Pending SSG approval (incl of GST)

Participant must achieve at least 75% attendance and pass all assessments. BCA Academy reserves the right to recover the funded amount from the participant (self-sponsored) or employer (company sponsored) if participant did not meet the eligibility criteria. Details of SSG's funding can be found in <https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html>

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CPD POINTS

PEB: -

TARGET AUDIENCE

Contractors, subcontractors and specialty contractors