

Certification Course on Life Cycle Assessment: Carbon Computation and Management Strategies



DETAILS

ONLINE SELF LEARNING

Duration: 1 hour

**Learners may commence to embark on the asynchronous e-learning and learn at own pace; to complete by 23 Nov 2023*

CLASSROOM LECTURES

Date: 22, 23 & 24 Nov 2023

Time: 9am to 6pm (22 & 23 Nov)
9am to 12pm (24 Nov)

Venue: BCA Braddell Campus

Fee (incl of GST): S\$1,490

**Learners are required to bring along a laptop installed with Microsoft Excel software*

AWARD

An e-Certificate of Successful Completion (e-CSC) will be issued to participants who:

- Achieve at least 75% class attendance; and
- Pass group project assignment.

TARGET AUDIENCE

Industry practitioners who are keen to embark on Green Mark journey or play the role of a Green Specialist; e.g. Developers, Building Owners, Architects, Engineers, Consultants, Project Managers, Facility Managers etc.

CPD POINTS

Subject to award from BOA-SIA, PEB, SCEM and SGBC-GMAP

INTRODUCTION

To accelerate the decarbonisation efforts in lowering the carbon footprint of building developments and infrastructures, it is essential to identify the carbon emissions associated with the materials and resources used during the construction and operation stages. Organisations can then perform life cycle assessment (LCA) through carbon computation and put together a carbon management strategy plan, to reduce the associated environmental impact.

LEARNING OUTCOMES

This course aims to equip industry practitioners with knowledge on carbon computation to make informed decisions on the selection of carbon-efficient products/ technologies and management strategies during building design, construction and operational phases.

At the end of the course, participants will be able to:

- Apply BCA GM: 2021 requirements, prevailing standards/ framework wherever applicable, to evaluate contributing factors of both embodied and operational carbon;
- Perform computation of both embodied and operational carbon of a building; and
- Analyse results and determine carbon management strategies to lower the overall carbon emission of a building.

LECTURER

MR CHEN WENJIE is the Associate Director for New Buildings Department of Building System & Diagnostics (BSD) who spearheads the ESD team and has completed projects in Singapore, Malaysia, China and other countries in Southeast Asia. He is the key technical expert for carbon reporting and carbon neutral roadmap advisory. He has assisted different stakeholders to establish tracking framework for operation carbon, review carbon emission targets, review environment product declaration and minimise carbon footprint at different building stages.

This course is one of the stackable modules under the Green Mark Advanced Accredited Professional (GMAAP) Course. For information on GMAAP course, please visit <https://www.bcaa.edu.sg/what-we-offer/academic-programmes?CourseId=fbac6cd0-9b30-4ed0-a347-f1f5ab43760c>

For information on the Green Mark Professional Qualification Scheme administered by the Singapore Green Building Council, please visit <https://gmap.sgbc.online/public/about>



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 **81027**