

# Professional Certificate in Sustainability for the Built Environment

The following courses stack towards the Professional Certificate in Sustainability for the Built Environment.

Participants will be awarded with a Certificate of Completion for each short course, upon fulfilling the requirements of the course. The Professional Certificate in Sustainability for the Built Environment will be awarded when participants have completed all four short courses within 18 months.

## Sustainability Landscape and the Built Environment

- Understand the impact of climate change on Singapore & the risks we face
- Be aware of other cities' sustainable development plans and key learning points that are relevant to the Singapore context.
- Gain knowledge on Carbon Capture & Sequestration, and nature-based solutions such as carbon capture in soil/plants/trees.

<b>DATES:</b> To be confirmed	<b>MODE OF DELIVERY:</b> Face-to-Face
<b>DURATION:</b> 2 Days	<b>COURSE FEE:</b> S\$2,289.00* - full course fee *Inclusive of GST

## Embodied Carbon and Life Cycle Assessment

- Understand how life cycle assessment can be used to evaluate and select environmentally superior materials, and apply the relevant principles to reduce embodied carbon
- Gain knowledge on Carbon Capture & Sequestration, and nature-based solutions such as carbon capture in soil/plants/trees
- Understand and apply carbon calculation methodologies to account for the life cycle of building and infrastructure

<b>DATES:</b> To be confirmed	<b>MODE OF DELIVERY:</b> Face-to-Face
<b>DURATION:</b> 2 Days	<b>COURSE FEE:</b> S\$2,289.00* - full course fee *Inclusive of GST

## Operational Carbon and Smart Facilities Management

- Gain knowledge of possible ideas that save energy or generate renewable energy, the efficiencies and suitability for deployment locally.
- Learn state-of-the-art techniques, equipment and innovation trends for sustainable operations – how they can be incorporated in the design for new buildings, and deployed in existing buildings to reduce carbon emissions.
- Gain an appreciation of energy auditing, measurement and verification, as well as energy management.

<b>DATES:</b> To be confirmed	<b>MODE OF DELIVERY:</b> Face-to-Face
<b>DURATION:</b> 3 Days	<b>COURSE FEE:</b> S\$3,433.50* - full course fee *Inclusive of GST

## Green Finance for the Built Environment

- Be able to bring economic value capture from sustainability initiatives
- Understand how sustainability will be transformed from a cost item to a revenue item
- Understand the use of carbon shadow pricing in public sector CBA analysis for sustainability projects

<b>DATES:</b> To be confirmed	<b>MODE OF DELIVERY:</b> Face-to-Face
<b>DURATION:</b> 1 Day	<b>COURSE FEE:</b> S\$1,144.50* - full course fee *Inclusive of GST

Registration for interest : <https://bit.ly/be201>

Please note that all participants, including Singapore Citizens and Permanent Residents, will have to pay the full fee for this course (i.e. SSG funding is not available). If you have any questions, please contact us at [cde-cet@nus.edu.sg](mailto:cde-cet@nus.edu.sg).