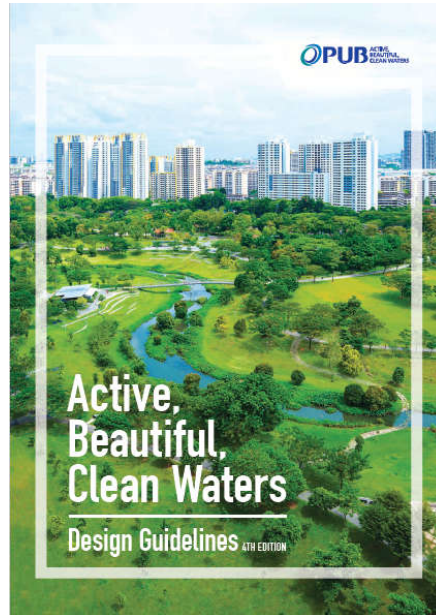


**IES  
GREEN PLAN**  
*Advancing the Singapore Green Plan 2030*

# ABC WATERS PROFESSIONALS COURSE – CORE MODULE CU 1

(Understanding ABC Waters Design Guidelines and  
Certification) 18<sup>th</sup> Run

Organised By: IES Academy Pte Ltd



<b>Date of Course</b>	:	<b>6 August 2024 (Tuesday)</b>
<b>Time of Course</b>	:	<b>9.00am to 5.30pm</b>
<b>CPD Programme</b>	:	<b>PDU (PEB/CEng), 4 PDU (QECP), 4 CPD (SILA), 2 BOA-SIA - TBC</b>
<b>Venue</b>	:	<b>IES Academy@Jurong East 80 Jurong East St 21 #04-10 S(609607)</b>
<b>Course Fees (incl. 9% GST)</b>	:	<b>\$381.50 (IES/SIA/SILA Members) \$468.70 (Non Members)</b>

Supported by:



## **INTRODUCTION**

Two-thirds of Singapore functions as local catchment areas. Under the Active, Beautiful, Clean Waters (ABC Waters) Programme, PUB has embarked on a journey to harness the full potential of our waters by integrating them with our environment. Over the past 2 to 3 years, other public agencies and private developers have also embraced the ABC Waters design that leads to improvement in water quality, enhanced biodiversity and new recreational space for people to get closer to water.

To build up the expertise of industry professionals in ABC Waters design features, the ABC Waters Professional Programme was launched in Sep 2011. Comprising four core modules and four elective modules, the programme covers the concept, design, implementation and maintenance of ABC Waters design features.

Participants who complete all four core modules plus any two elective modules, and meet the registration criteria of IES/SIA/SILA, would be eligible to be registered as an ABC Waters Professional. Details on the registration criteria can be found at the websites of IES, SIA and SILA. Participants who complete any single module would receive certificate of attendance for the module completed.

In line with the revisions to the Code of Practice on Surface Water Drainage, developers/owners shall engage an ABC Waters Professional to design, oversee the construction of, and develop a maintenance plan for the ABC Waters design features. The developer/owner shall submit the concept design and design calculations, endorsed by the ABC Waters Professional, to PUB as part of their Development Control (DC) submission.

On an annual basis, developers/owners shall also submit a certificate of inspection on ABC Waters design features, endorsed by an ABC Waters Professional, if applicable. The certificate of inspection shall include a declaration on whether the features have been inspected, and are maintained satisfactorily and functioning well.

## Course Outline & Schedule

Time	Course Description	Speaker
8.30am – 9.00am	Registration	
9.00am - 10.15am	<p>Overview of ABC Waters Programme</p> <p>Singapore Water Story</p> <p>Driving forces for the programme and sustainable stormwater management</p> <p>ABC Waters Design Guidelines / ABC Waters Certification Scheme</p> <p>Submission requirements for developments</p>	Liu Huei-Lyn
10.15am - 10.30am	Tea Break	
10.30am - 11.30am	<p>Mainstreaming ABC Waters design - Master planning in the context of ABC Waters design</p> <p>Design Considerations</p> <p>Infrastructure Planning</p> <p>Developing a blue-green masterplan</p> <p>Hands-on application: Developing a Blue-Green Masterplan for a hypothetical greenfield estate site (40min)</p>	Liu Huei-Lyn
11.30am - 12.30pm	Integrating ABC Waters Design in Project Planning and Integration of Waterbody Design in Masterplan and Architectural Concept	Ar Leong Tatt Man
12.30pm - 1.30pm	Lunch Break	
1.30pm - 2.45pm	<p>Design principles from a LA perspective</p> <ul style="list-style-type: none"> <li>• Principles of ABC Waters Design</li> <li>• Landscape design considerations</li> <li>• Design matrixes</li> </ul>	Mr Koh Jiann Bin
2.45pm - 3.30pm	Assessment Quiz	
3.30pm – 5.30pm	<p>Site Visit (Tea Break in bus)</p> <p>– A project that showcases mainstreaming ABC Waters design and interdisciplinary planning at Waterway Ridges</p>	Mr Koh Jiann Bin

## **Speakers Profile**

### **Ms Liu Huei-Lyn (PUB)**

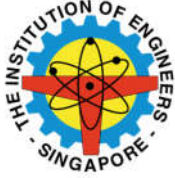
Trained in both architecture and landscape architecture, Huei Lyn graduated from the University of Miami (Bachelor of Architecture) and Harvard University (Master in Landscape Architecture). Her interests are geared towards urban planning and open space design. While based in the United States, she worked on a diverse range of projects; masterplanning to detailed design and construction implementation in North America, China and the Middle East. Since moving back to Singapore, she has been instrumental in completing several public projects that have a holistic approach towards landscape architecture and stormwater management. Currently she is part of the ABC Waters masterplanning and implementation team at PUB, working on creating sustainable, blue-green public spaces for Singapore.

### **Ar. Leong Tatt Man**

Tatt Man obtained his Master of Architecture (NUS) in 2001. He spent his first 5 years in OD 205 Planning Studio, followed by 11 years in Architects 61, and for the last 7 years he has been with Tierra Design which focuses on landscape urbanism projects where planning, architecture, landscape, and PUB ABC design are intertwined as one total design. One of these projects is the 4th Desalination Plant which is PUB Gold Certified. The project also won the International Water Association Grand Innovation in the year 2022. Besides commissioned projects, Tatt Man is keen on finding sustainable urban solutions to address existential issues in Singapore. He is a founding member of TCHS (The Circle for Human Sustainability) and his recent work through TCHS includes the Singapore Agriport proposal which was featured in The Singapore Engineer magazine in July 2022. Mr. Leong is a strong believer in creating a better future by design, and that such design must respect the Limits To Growth.

### **Mr Koh Jian Bin**

Jiannbin has devoted his consulting practice to water-sensitive design in the urban environment for the past 10 years. He has extensive technical experience with the use of nature-based solutions to manage and express stormwater in urban spaces and parks. With his unique combination of expertise in design and engineering, Jiannbin applies transdisciplinary thinking and adopts an integrative design approach in his practice. Some of his recent works include the stormwater management design and master plan for a large national garden, the preliminary design for land-use revitalisation along a canal, and ABC Waters design for various HDB greenfield developments. He has worked with such clients as PUB, HDB, NParks, CDL, DPA, and ARUP. Jiannbin is a registered ABC Waters Professional and a committee member of the ABC Waters Programme. He is both a Chartered Engineer and an Accredited Landscape Architect. He is also a certified horticulturist (CUGE CPH) and arborist (ISA).



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Organised By: IES Academy Pte Ltd

## REGISTRATION FORM

Course Date	:	6 August 2024 (Tuesday)
Course Time	:	9.00am to 5.30pm
Venue	:	IES Academy@Jurong East 80 Jurong East Street 21, #04-10 Devan Nair Institute (e2i), S(609607)
Course Fee	:	\$381.50 (IES/SIA/SILA Members) / \$468.70 (Non Members)
CPD Programme	:	PDU (QECP/PEB/CEng), CPD (SIA/SILA) - To be confirmed
Course Coordinator	:	Nancie Neo Email: <a href="mailto:nancie.neo@iesnet.org.sg">nancie.neo@iesnet.org.sg</a>
Closing Date	:	26 July 2024, Friday (or earlier when all seats filled)

### Participant's Details

Name	:		NRIC/FIN	:		
Company	:		Designation	:		
Address	:					
		Postal Code	:			
Mobile	:		Office	:		
Email	:					
Please indicate (if applicable)	<input type="checkbox"/>	IES No:	<input type="checkbox"/>	SIA/SILA No:	<input type="checkbox"/>	Non-Member
	<input type="checkbox"/>	PE/CEng No:	<input type="checkbox"/>	Company Sponsor	<input type="checkbox"/>	Vegetarian

### Contact Person's Details (If different from participant)

Name	:		Designation	:	
Mobile	:		Office	:	
Email	:				

\*Listed course fees are inclusive of 9% GST and course materials.  
\*Certificate of Attendance will be issued to participants with 100% attendance.

### Acceptance of Terms & Conditions for Registration of IES Academy's Courses/Events

I agree to abide by the Terms and Conditions for Registration of IES Academy's courses/events.

Name:

Signature:

Date:

## **TERMS & CONDITIONS ON COURSE REGISTRATION**

### **Registration**

Any registration, whether on-line or fax will be on a ***first-come-first-served basis*** and will only be confirmed upon receipt of full payment by IES Academy Pte Ltd unless otherwise invoice to company. All registrations must be submitted with duly completed registration form.

### **Closing Date & Payment**

The closing date of the event will be 1 week prior to event commencement date or earlier. Invoice will be sent to you via email when the course is confirmed to run. **PayNow & Bank Transfer available.**

### **Confirmation of Registration**

Confirmation of registration will be given at least 1 week before the commencement date via email. ***If you do not receive the said confirmation email, you are required to contact IESA at 6463 9211 during office hours.***

IESA reserves the right to allow only confirmed registrants to attend the Event.

### **Withdrawals/Refunds of Fees**

- Written notice **at least 1 week in advance** before the commencement of the event
- Full course fee shall be refunded subjected to 4.5% transaction charge.
- **NO** refund otherwise.
- No show of participant would not be accepted as a valid reason for withdrawal/refund.
- One time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

### **Cancellation/Postponement**

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IES reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

### **Course Funding**

This course is supported by **UTAP (Union Training Assistance Programme)** for NTUC members. For more information on claiming course fee, please refer to NTUC SkillsUpgrade website.

<http://skillsupgrade.ntuc.org.sg/wps/portal/skillsupgrade/home>

### **PERSONAL DATA PROTECTION ACT**

I consent to the processing by Institution of Engineers, Singapore of personal data, including sensitive personal data as defined in the Data Protection Act 2014, about me for the proper purposes of Institution of Engineers, Singapore (IES). I undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data I may myself hold and process as a Members of Institution of Engineers, Singapore, and I agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to [here](#).

### **Enquiries**

For further enquiries, please contact IESA general office at Tel: 6463 9211.