



清华大学  
Tsinghua University



## **AUA-THU Overseas Study Program 2023**

### **Environmental Stewardship for Sustainable Urban Development: Green Environmental Infrastructure, Ecosystem Conservation, and Resource-efficient Actions**

**Host:** Tsinghua Shenzhen International Graduate School (SIGS), Tsinghua University

**Theme:** Environmental Stewardship for Sustainable Urban Development: Green Environmental Infrastructure, Ecosystem Conservation, and Resource-efficient Actions

**Date:** 26th June- 7th July, 2023

**Activities:** Expert talks, workshops, cultural activities, trips

### **Concept Note**

This is an immersion program that aims to gather and connect students from the AUA member universities who are interested in **frontier environment and ecology topics** through a series of interactive learning activities, including lab-based activities, academic workshops, field trips, cultural exchange, etc. The program espouses the theme of environmental sustainability, using Shenzhen as an exemplary urbanizing megacity in the region to explain **green environmental initiatives and development**. The overall objectives of the study program are to:

1. Understand frontier environmental topics in urbanizing city including water, air, wastes and ecosystems.
2. Learn about resource and green environmental engineering practices for sustainable development.
3. Develop knowledge of “City in Nature” ecosystem conservation actions.
4. Develop basic laboratory research skills in environmental engineering discipline.

Students will have the opportunity to attend special master class, with introductory lectures to environmental engineering program including frontier topics covering **atmospheric, climate, ecosystem, ecology, water and solid waste management**. This thematic study program will include a short academic conference for participant to showcase their short research topic in the form of oral and poster presentation, and to encourage interactions with faculties and local students currently enrolled in the environmental engineering program. Apart from strengthening students’ mobility

amongst members through the alliance's internationalization strategy, this study program could enhance the alliance's role into a world-class educational platform, and cultivate future scholars with cutting-edge vision to provide solutions to global environmental problems. The program will also be part of Tsinghua Shenzhen International Graduate School 2023 Global Summer School.

### **Expected Outcomes**

Students will gain a better understanding of sustainable green environmental development and environmental conservation efforts in China. A short conference will be organized for the participants to present their short research topic assigned at the beginning of the program.

### **Nomination & Registration**

1. Each AUA member institution is invited to nominate 1 student (either a master postgraduate or an undergraduate who has completed two full undergraduate academic years). Each member university is also welcome to nominate 1 student on the waiting list. In the event that there are unused quotas from other universities, the student on the waiting list will have a chance to get admitted to the AUA-OSP.
2. Each AUA member institution send the nomination form to the organizing committee after the internal selection: [admissions.iee@sz.tsinghua.edu.cn](mailto:admissions.iee@sz.tsinghua.edu.cn), by **June 5, 2023 (Monday)**
3. Nominated students will receive an email from [admissions.iee@sz.tsinghua.edu.cn](mailto:admissions.iee@sz.tsinghua.edu.cn) to complete the application form online no later than **June 7, 2023 (Wednesday)**. We kindly ask nominated students to attach in emails a scanned copy of their passports and passport-sized photo for visa support.
4. For any enquiries and further information regarding the program, the institutions or nominees may reach the organizers via emails at [admissions.iee@sz.tsinghua.edu.cn](mailto:admissions.iee@sz.tsinghua.edu.cn) Contact person: Ms. Zeyi Zhang, from Academic Affairs Office of Institute of Environment and Ecology, Tsinghua Shenzhen International Graduate School.

The program fee, registration fee, accommodation fee, meals and local transportation fees are waived. International airfares and related personal expenses will be borne by participants.

Tentative Program

**AUA-THU Overseas Study Program 2023 (IN PERSON)**

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<b>DAY 1 - Arrival to Shenzhen, China - June 26,2023(Monday)</b>	
<b>DAY 2 - June 27, 2023 (Tuesday)</b>	
Morning	Opening ceremony orientation
Afternoon	Lecture on social studies
Evening	Welcome dinner
<b>DAY 3 - June 28, 2023 (Wednesday)</b>	
Morning	Company visit world-class technology company
Afternoon	Company visit world-class technology company
<b>DAY 4 - June 29, 2023 (Thursday)</b>	
Morning	Introduction to SIGS and Institute of Environment and Ecology (iEE) Campus tour
Afternoon	Special lecture to frontier global environment challenges Ice breaking & topic assignment for AUA group
<b>DAY 5 - June 30, 2023 (Friday)</b>	
Morning	Company visits (Leading Environmental Company)
Afternoon	Field visit (Solid waste center)
<b>DAY 6 - July 1, 2023 (Saturday)</b>	
Morning	Field trip-Chung Ying Street Village of Hakka Culture Shenzhen Museum
Afternoon	
Evening	
<b>DAY 7 - July 2, 2023(Sunday)</b>	
Morning	Field trip-hiking along Dongchong-Xichong-Camping (Optional)
Afternoon	
Evening	

<b>DAY 8 - July 3, 2023 (Monday)</b>	
Morning	Group preparation
Afternoon	IEE Faculty introduction, Lab visit
<b>DAY 9 - July 4, 2023 (Tuesday)</b>	
Morning	Special environment master class lectures
Afternoon	Field visit (Futian mangrove wetland and coasts)
<b>DAY 10 - July 5, 2023 (Wednesday)</b>	
Morning	Field visit (water treatment plant) and sampling
Afternoon	Laboratory induction to water analysis
<b>DAY 11 - July 6, 2023 (Thursday)</b>	
Morning	Group preparations
Afternoon	AUA-Oversea Study Programme Conference (poster and oral presentation), Best Group Poster and Best Group Presentation awards
<b>DAY 12 - Departure from Shenzhen, China - July 7, 2023 (Friday)</b>	