



华南理工大学

South China University of Technology

2024 SCUT GLOBAL ENGINEERING SUMMER PROGRAM

JULY 14-27, 2024 (2 WEEKS)

SCUT GUANGZHOU INTERNATIONAL CAMPUS

Situated in Guangzhou, the heartland of the dynamic Guangdong-Hong Kong-Macao Greater Bay area, South China University of Technology (SCUT) is a prestigious research university particularly renowned for its excellence in Engineering, selected into the national Double First-Class initiative along with 30 plus universities across China.

The SCUT Guangzhou International Campus integrates advanced global educational philosophies and premier resources, equipped with modern and well-furnished rooms, advanced research equipment, and architecture incorporating both eastern and western styles.



Domains

You are free to choose one of the following three domains:

- Advanced Materials of Soft Matter and Biomedicine
- Artificial Intelligence and High-end Manufacture
- Chemistry and Chemical Engineering

Contents

- **Academic courses** (8 credit hours for each course)
- **Lectures** from Oxford, MIT, Princeton etc.
- **Cultural courses** including Chinese traditions, Lingnan (southern China) culture, the Greater Bay Area development, etc.
- **Enterprise visits** including Rayvision, iFLYTEK, VIPs, Guangzhou Automobile Group Company, etc.

Application

Applicants: Junior & senior undergraduates and graduates will be accepted with priority

Website: <https://scut.17gz.org/>

Deadline: March 1st

Fees

Application and tuition fees waived, round airfare and local expenses self-covered (accommodation around 500-1000 RMB for each)

Academic courses

Advanced Materials of Soft Matter and Biomedicine:

- Tissue Engineering and Artificial Organ
- Advanced Materials in Biomedical Imaging and Diagnostics: Introduction, Principles and Applications
- Biomaterials
- Optics of Emergent Soft Matter
- Hybrid Techniques of Emergent Soft Matter
- Biomimics of Emergent Soft Matter

Artificial Intelligence and High-end Manufacture:

- Large Language Models and Prompt Engineering
- Soft Robotics
- Smart Factory
- 3D Vision Intelligence
- Metaverse Introduction and Practice
- Low Carbon Energy Intelligent Twin System

Chemistry and Chemical Engineering:

- Biomaterials
- Optics of Emergent Soft Matter
- Hybrid Techniques of Emergent Soft Matter
- Frontiers of Chemical Biology
- Molecular Magnetism
- Metal Catalysis towards Functional Molecular Synthesis

Contact

Cynthia Yi SUN, International Office
 Phone: 86-20-87114526/ 86-188-9869-9066
 Email: glsunyi@scut.edu.cn





2024

SCUT GLOBAL ENGINEERING
SUMMER PROGRAM



Rayvision:

Founded by SCUT alumnus, Rayvision provides cloud rendering technology and pioneers in self-serving cloud rendering.

iFLYTEK:

A leading listed company in intelligent speech and artificial intelligence technology across Asia-Pacific region

VIPS:

A renowned e-commerce enterprise in China, popular for its online outlets business mode

Guangzhou Automobile Group Company:

A Fortune Global 500 state-owned enterprise



2024 SCUT Global Engineering Summer Program Schedule

Date	Time	Courses
July 14 (Sun.)		Opening & Orientation
July 15 (Mon.)	AM	Academic course
	PM	The beauty of mandarin (Greetings & Chinese songs)
July 16 (Tue.)	AM	Academic course
	PM	The window of China's economy – The Guangdong- Hong Kong-Macao Greater Bay Area
July 17 (Wed.)	AM	Academic course
	PM	Heritage for thousands of years- Chinese Kungfu
July 18 (Thu.)	AM	Academic course
	PM	Flowing art – Calligraphy
July 19 (Fri.)	AM	Academic course
	PM	Architecture in times: Guangzhou Urban Planning Center
July 20 (Sat.)		Feast on eyes, journey to nature - Shenzhen Rayvision & Mangrove forest natural reserve visit
July 21 (Sun.)		Break
July 22 (Mon.)	AM	Academic course
	PM	One of the Four Cuisines in China: Canton Cuisine
July 23 (Tue.)	AM	Academic course
	PM	Quality life: iFLYTEK & VIPS visit
July 24 (Wed.)	AM	Academic course
	PM	Technology First: Fortune Global 500 enterprise visit- Guangzhou Automobile Group Company (GAC) R&D Center, GAC production line
July 25 (Thu.)	AM	Academic course
	PM	A city of modern and tradition: Guangzhou city tour (Guangdong Provincial Museum, Chen Clan Academy)
July 26 (Fri.)	AM	Academic course
	PM	A city of modern and tradition: Guangzhou city tour (Yu Yin Garden, Pearl River night tour)
July 27 (Sat.)		Closing & Departure