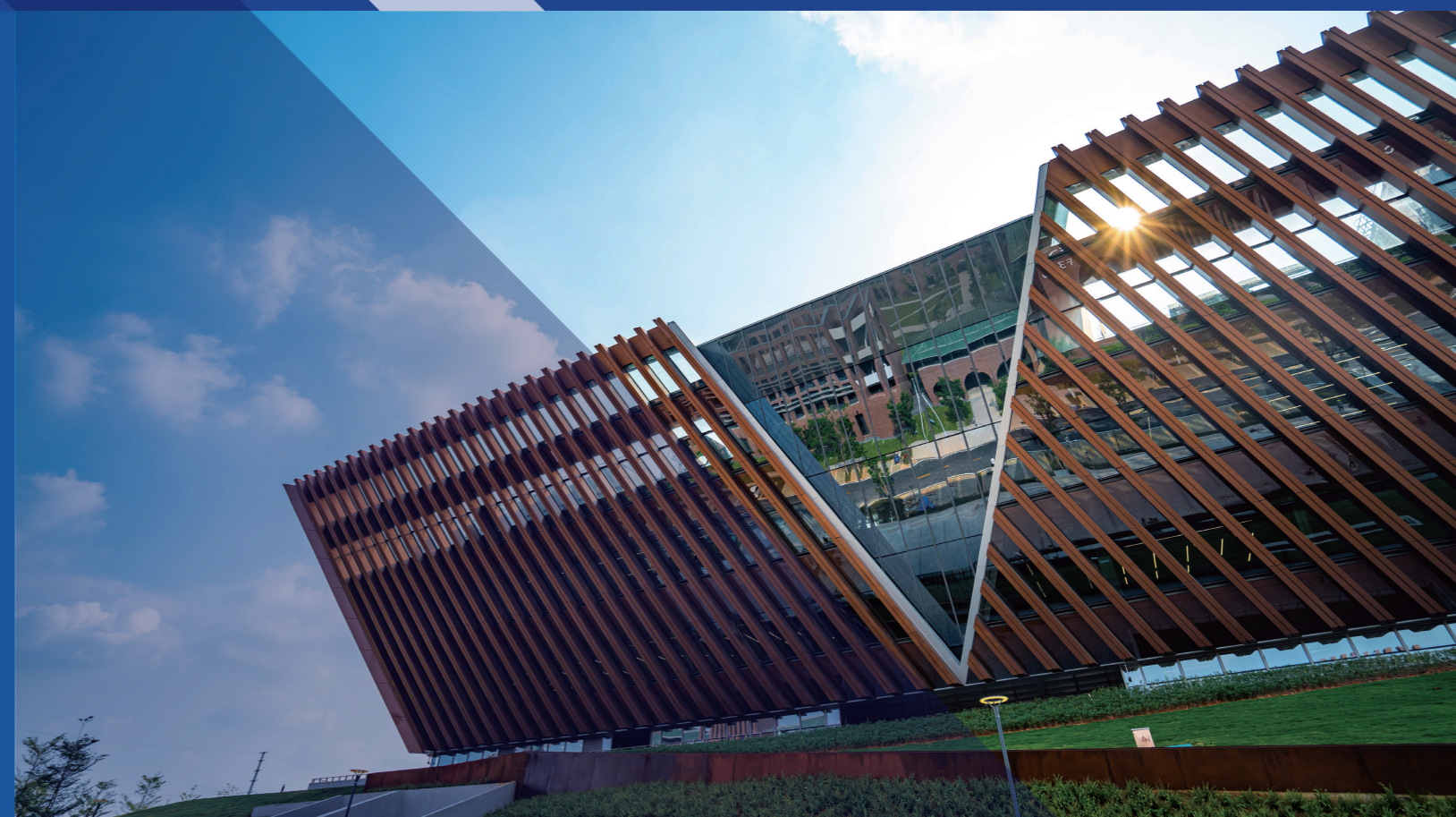




华南理工大学
South China University of Technology



INVITATION TO SCUT

2024 GLOBAL ENGINEERING SUMMER PROGRAM

July 14-27, 2024
(2 weeks)

[SCUT Guangzhou International Campus]

This is to invite your students to join our 2024 Global Engineering Summer Program with peers across the globe. Students could be led by one of your faculty members, who is expected to co-deliver one academic course with us, selecting from the 15 courses of three domains listed following.

The program consists of four parts: academic courses, lectures, cultural courses, and enterprise visits.

Domains

Advanced Materials of Soft Matter and Biomedicine

Artificial Intelligence and High-end Manufacture

Chemistry and Chemical Engineering

Contents

- **Academic courses** from SCUT & partner universities
- **Lectures** from Oxford, MIT, Princeton etc.
- **Cultural courses** from SCUT, including Chinese traditions, Lingnan (southern China) culture, the Greater Bay Area development etc.
- **Enterprise visits**

Scale

No more than 10 students from each partner university

100 in total (80 overseas students and 20 SCUT students)

Applicants

Undergraduates in third or fourth year and graduates will be accepted with priority

Fees and Funding

For partner university's faculty: round airfare for economic class & accommodation covered (applicable to faculty co-teaching courses)

For partner university's students: tuition fees waived, round airfare & accommodation (1000 RMB for each) self-covered

Course List

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:

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

*Proposals of relevant courses are welcome.

Contact

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