The Chinese University of Hong Kong, Shenzhen (CUHK-SZ) Summer Lab Research (SLR) Programme 2026 (in-person)

Programme Overview

The Summer Lab Research Programme (SLR) at The Chinese University of Hong Kong, Shenzhen (CUHK-SZ) is an 8-week non-credit programme for exchange students from CUHK-SZ's global partner institutions. Participants will gain valuable research experience at CUHK-SZ's cutting-edge laboratories under the guidance of their distinguished faculty during the Summer Session with guaranteed on-campus residence.

The research topics cover a wide range of fields, including New Energy & Energy Efficiency Management, Big Data & Scientific Data, Modern Biological Information Engineering, Robotics & AI, Operations Management & Marketing, etc.

More information can be found here, including the programme benefits, programme timeline, as well as the list of summer labs. The list of labs can also be found at the end of this document. Students are encouraged to contact the lab supervisor to match their interests before applying for SLR. **Applicants must meet the requirements of the individual labs that they are applying to.**

Location

This programme takes place in Shenzhen, China.

Dates

Early June – End July 2026 (8 weeks)

Credit Transfer

This programme may be mapped to a 4-unit UROPS course code or a 4-unit department dummy exchange course code (counting towards unrestricted electives).

Besides the research programme, students are allowed to take up to 6 credits of courses (equivalent to 8 NUS units) during the summer term. Course mapping and credit transfer are allowed for these courses. Please note that for each summer programme, NUS students may transfer up to 10 NUS units. Do take this into consideration if you wish to read courses while also taking part in the research programme.

Refer to the course mapping instructions (with effect from AY26/27) and credit transfer policy (with effect from AY26/27) found on the FoS SEP website for information on course mapping and credit transfer. Do note that there is an exception for Overseas Summer UROPS regarding the number of credits (from research) that can be transferred.

Additional assessment may be required by the NUS department for transferring of credits. Not all UROPS course code can be counted towards major requirements. Please check which graduation requirement the UROPS will count towards and if you are unsure, please check with your department.

Students can transfer a total of 12 units from a maximum of 2 overseas summer/winter programmes without having to pay NUS tuition fee during their course of study. Any additional units mapped will be subjected to NUS Special Term fees.

Eligibility Criteria

NUS students must:

- Be a full-time Faculty of Science student, with a primary major in science
- Have a clean disciplinary record
- Have completed 2 – 6 semesters in NUS by the start of the programme (i.e. current Year 1, Year 2 and Year 3 students)
- Have a minimum GPA of 3.0
- Not be intending to graduate at the end of AY2025/2026 Semester 2
- Not be called up for National Service during the programme dates. A deferment letter will not be provided.

An internal offer does not guarantee your placement in the programme. Your admission outcome is at the discretion of the partner institution.

Number of Places

There are 4 places available.

Programme Cost

Students do not need to pay NUS Special Term fees or tuition fees to CUHK-SZ if they do not exceed the credits transfer limit stated under the section "Credit Transfer" above. However, students are responsible for their own airfare, accommodation, meals, personal expenses, etc.

Estimated cost (*Please note that the figures provided are only estimates*)

Item	Cost
Return Airfare	SGD500
Accommodation	SGD400
Food and Transport	SGD500

Please visit OAL website for further information regarding on-campus lodging. On-campus residence will be arranged for successful applicants.

Financial Assistance

The financial aid available for this programme are the NASA Enhancement Bursary, the Science Student Overseas Exposure Fund (SSOEF), and the Opportunity Enhancement Grant (OEG). Students may also apply for the Overseas Student Programme (OSP) Loan. Refer to the respective links for more information.

Please note that application for NASA Enhancement Bursary should be done through EduRec, as mentioned in the page linked above. Do not apply for NASA Enhancement Bursary through the application form linked in the FoS Financial Assistance Schemes page.

Programme Application Procedure and Deadline

Login to EduRec and submit your application under External Study Type "Research Attachment/Internship/ Industrial Attachment", External Study Setup ID: **03599**. Please refer to the Guide for Student Programme Application before starting your application.

Application Deadline: **Tuesday, 16 December 2025, 11:59pm Singapore Time**

Documents required (upload into your online application in EduRec):

1. Latest NUS unofficial transcript
2. Curriculum Vitae – Highlight any prior research experience that you may have to support your application
3. Personal Statement – Indicate 3 project choices in order of preference, including the area of your research interest and why you are interested in the mentioned projects

Note:

- Students who receive an offer from NUS are required to submit a separate application to CUHK-SZ
- Admission into the programme is at the discretion of CUHK-SZ

If you face difficulties uploading the documents, submit the required documents via SCI UG Queries (category: SAP) by **16 December 2025, 11:59pm Singapore Time**.

Applications would be **deemed incomplete if the required documents are incomplete or not submitted** by the stipulated deadline, and therefore disqualified from the application.

To be fair to students who abide by the deadline, incomplete or late application will strictly not be considered.

Insurance

All students travelling overseas for activities or purposes approved, endorsed, organised, sponsored or authorised by NUS will be covered by the NUS Student Travel Insurance Policy. Click here for more information.

Exclusions to the NUS Student Travel Insurance may apply. Students are to ensure that they have sufficient travel insurance coverage, and may consider purchasing additional travel insurance if required.

Contact

If you have any questions, please submit your enquiry via SCI UG Queries (category: SAP).

Updated: 5 December 2025

List of Summer Labs

Research Field	Laboratory	Quota	Requirements	Contact	Website	Remarks
New Energy and Energy Efficiency Management	Shenzhen Institute for Advanced Polymer Materials (PolyGBA)	8	— Junior year undergraduate student with chemistry, chemical engineering background	Prof. He ZHU: zhuhe@cuhk.edu.cn Prof. Qi ZHANG: qizhang@cuhk.edu.cn	https://polygba.cuhk.edu.cn/ https://polysz.cuhk.edu.cn/en	
	Shenzhen Key Laboratory of Advanced Materials Product Engineering (PolyCUHKSZ)					
	Shenzhen Key Laboratory of Environmental Materials and Renewable Energy	5	— Junior year undergraduate student or postgraduate student with materials, chemistry, physics, energy background;	Prof. Zhongxin CHEN: chenzhongxin@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/7105 http://www.catalysis-cuhksz.com/	
	ENLIGHT (ENergy analyticaL insIGHTs) Lab	3	Strong interest in power systems, smart grids, and data-driven approaches to energy challenges. Background in Electrical Engineering, Computer Science, Operations Research, or other related quantitative fields. Excellent analytical and problem-solving skills. Highly motivated, curious, and eager to challenge conventional wisdom and tackle fundamental research questions. Proficiency in programming (e.g., Python, MATLAB) is an asset.	Prof. Chenye Wu: wuchenye@cuhk.edu.cn	www.wuchenye.cn	The ENLIGHT Lab is dedicated to pioneering a new, data-driven paradigm for power grid operation. We challenge conventional wisdom and revisit fundamental questions to uncover myths and unlock optimal performance. We welcome passionate students to join us in exploring critical questions such as: Does the best load predictor always lead to the most efficient system, or are we misinterpreting "winner-take-all" effects? Is it optimal for EV charging stations to attract every consumer, or is this a misconception? Who should manage the flexibility provided by storage systems: the system operator or the storage owner? How can we balance user privacy preservation with operational needs?
Big Data and Scientific Data	Guangdong Provincial Key Laboratory of Big Data Computing	2	- Senior year undergraduate student with any of the following majors: data science, machine learning, electrical engineering (statistical signal processing emphasis), control;	Prof. feng YIN: yinfeng@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/7326	
	Shenzhen Research Institute of Big Data	5	- Senior year undergraduate student; - Major in wireless communications; - Work on the implementation of OAI-based 5G NR system: up to 5 students;	Prof. Chao SHEN: chaoshen@sribd.cn	https://www.cuhk.edu.cn/en/article/4161	
		2	- Junior/Senior year undergraduate student; - Major in data science, computer science, machine learning, electrical engineering (statistical signal processing emphasis), control;	Dr. Akang WANG wangakang@sribd.cn Prof. Xiaodong LUO xiaodongluo@cuhk.edu.cn		
	The Chinese University of Hong Kong, Shenzhen- Shenzhen Research Institute of Big Data-Huawei Innovation Laboratory of Future Network System Optimization	2	- Senior year undergraduate student; - Major in wireless communications; - Work on the FPGA implementation of channel simulator: up to 2 students;	Prof. Tsung-Hui CHANG: changtsunghui@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/6011	
	Prof. Yao's Lab (High-dimensional Statistics; Random Matrix Theory)	2	- Junior year undergraduate student in mathematics or Statistics majors	Prof. Jeff J. Yao: jeffyao@cuhk.edu.cn	https://jianfengyao.wordpress.com/	
Modern Biological Information Engineering	Guangdong Provincial Key Laboratory of Life and Health Sciences	2	- Major in biology, medicine, chemistry, life sciences, biomedicine engineering or relevant background; - Have completed General Biology or equivalent course; - Prefer good programming skills for applying Bioinformatics lab;	Prof. Richard YE: richardye@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/6003	
	Futian Biopharmaceutical Innovation and R&D Center, The Chinese University of Hong Kong, Shenzhen		- Major in biology, medicine, chemistry, life sciences, biomedicine engineering or relevant background; - Have completed General Biology, Organic Chemistry, Biochemistry or equivalent course; - Prior lab experience will be preferred although not required;		https://www.cuhk.edu.cn/en/article/5784	
	Arieh Warshel Institute of Computational Biology, The Chinese University of Hong Kong, Shenzhen	3	- Plan to obtain a PhD in computer-aided drug design, AI-aided drug design, computational biology, or computational chemistry; - Proven track record of scientific research and publication; - Experiences with Linux, data analysis, and scripting using programming language; - Good oral and written communication skills in English; - Acquired basic knowledge in: Mathematics Physics Computing Chemistry Biology/Biotechnology/Biomedicine	Prof. Hsien-Da HUANG: huanghsienda@cuhk.edu.cn Prof. Guijuan CHENG: chengguijuan@cuhk.edu.cn Prof. Lizhe ZHU: zhulizhe@cuhk.edu.cn Prof. Hirao Hajime: hirao@cuhk.edu.cn Prof. Yongfei WANG: yfwang@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/128	
	Kobilka Institute of Innovative Drug Discovery, The Chinese University of Hong Kong, Shenzhen	2	- Junior/Senior year undergraduate student; - Major in structure biology, biology, or chemistry;	Prof. Yang DU: yangdu@cuhk.edu.cn	https://www.cuhk.edu.cn/en/article/4153	
		2	- Junior/Senior year undergraduate student; - Major in physics, chemistry, or biology;	Prof. Ying-Chih CHIANG: chiangyc@cuhk.edu.cn		

Robotics & AI	Robotics and Artificial Intelligence Laboratory- Marine Robot	4	- Major in electronic and information, automation, or computer science related major; - Familiar with python and C++; - Junior year undergraduate student or above;	Prof. Huihuan QIAN hhqian@cuhk.edu.cn	https://rail.cuhk.edu.cn/article/35	
		2	- Major in robotics (such as mechanical, automation) or computer science related programme; - Strong hand-on skills;	Prof. Tin Lun LAM: tllam@cuhk.edu.cn	https://freeformrobotics.org	
	Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS)	4	Prof. Hongyuan Zha's Lab: - Students should have a solid math background and have a topic of interest that aligns with our topics; - Prefer students who are already working on one of the topics in machine learning and applications, including reinforcement learning, online optimization, multi-agent learning and optimization, game theoretic machine learning, and applications in autonomous vehicles and diagnostic systems;	Prof. Baoxiang WANG: bxiangwang@cuhk.edu.cn	https://airs.cuhk.edu.cn/en	Hongyuan Zha works on a variety of topics in machine learning and applications, including reinforcement learning, online optimization, multi-agent learning and optimization, game theoretic machine learning, and applications in autonomous vehicles and diagnostic systems. Lab includes several assistant professors that also investigate the above topics. The students could be in AIRS or CUHK-Shenzhen.
		2-4	Dr. Xiaopu Wang's Lab: (Requirement 1 or Requirement 2) Requirement 1: (1-2students) a. Basic knowledge of hydrogels or polymers; b. Passion in working on microrobots-related research; c. Proficiency in English; d. Experience in chemical experiments is a plus; e. Experience in cell culture is a plus; Requirement 2: (1-2students) a. Theoretical knowledge of the electromagnetic field; b. Passion in working on microrobots-related research. c. Excellent programming skills in Python (C/C++ language is a plus); d. Proficiency in English; e. Prefer experience in computer vision or image processing;	Dr. Xiaopu WANG: wangxiaopu@cuhk.edu.cn		The collaboration project launched by Dr. Xiaopu Wang of AIRS and Prof. Bradley Nelson of ETH Zurich aims at fundamental and applied research in microrobots. The content of this project includes (1) Combining advanced micro-/nano processing technology and material technology to fabricate microrobots with excellent properties; (2) Studying swarm control and programmed control of microrobots; (3) Exploring the biomedical applications possibilities of microrobots, such as smart cargo delivery, thrombosis treatment, aneurysm treatment, etc. The students could be only in AIRS.
	Human Language Technology Laboratory	4	- Major in computer science, computer engineering, electrical engineering - Familiar with one or more of Python, Matlab or c++ programming languages - Foundation knowledge of signal processing is a plus	Prof. Haizhou Li: haizhouli@cuhk.edu.cn Prof. Zhizheng Wu: wuzhizheng@cuhk.edu.cn	www.colips.org/~eleliha https://drwuz.com/	
Operations Management & Marketing	Game-Theoretic Modeling in Operations Management & Marketing	2	—Students should have taken the game theory course and get a grade of A- or above. Knowledge with Industrial Organization is preferred.	Prof. Duo SHI: shiduo@cuhk.edu.cn Prof. Chenxi LIAO:chenxiliao@cuhk.edu.hk	https://sme.cuhk.edu.cn/en/teacher/175 https://www.bschool.cuhk.edu.hk/staff/liao-chenxi/	